

Hyosung Master Error Code List

Error Code	Description	Solution
0100001	The PAPER STATUS of JPR is not FULL	
0100002	The MEDIA STATUS of JPR is not PRESENT	
0100003	The MEDIA STATUS of JPR is FATAL	
0100010	The MEDIA STATUS of JPR is NO DEVICE	
0110091	LOST CARD & SLIP	Remove the retracted card and receipt in each retract box. Then execute reset operation.
0110291	LOST WITHDRAW CASH	Remove the retracted cash in cash dispenser retract box. Then execute CASSETTE TOTAL operation.
0110292	LOST DEPOSIT CASH	Remove the retracted cash in cash acceptor retract box. Then execute CIM CASSETTE TOTAL operation.
0110391	LOST CARD & SLIP	Remove the retracted card and receipt in IPM retract box. Then execute IPM CASSETTE TOTAL operation.
0110591	LOST PB	Remove the retracted passbook in retract box. Then execute reset operation.
0110691	LOST PB & SLIP	Remove the retracted passbook and receipt in each retract box. Then execute reset operation.
0B00000	The others Error of the BILL Acceptor Unit	
0B00001	The USR_BILL_INF_STACKER_STATUS Is normal	
0B00002	The NOTE_STATUS of BILL Is not NOTPRESENT	
0B00003	The TOTAL_BILL_COUNT is over than the APP_FULL_BILL_STACKER	
0B00004	The DEVICE_STATUS of the BILL Acceptor Unit is not HEALTHY	
0B00010	The DEVICE STATUS is NO DEVICE	
0C00000	The others Error of the CHAU	
0C00001	The number of Copper Coin is below 55	
0C00002	In Case The number of Copper Coin in Hopper 1 is below the lowest(12) and The number of Copper Coin in Hopper 2 is below the lowest(55)	
0C00010	The DEVICE_STATUS of COIN is NO DEVICE	
0D00001	The Status of Door is opened	Close the Door
0N00010	The status of NETWORK Is not normal	
1030100	DEV_PIN (Key data error from host)	Contact to host
1100910	LOST SLIP	Check if the receipt printer is installed properly.
1101910	LOST CARD, DEV_MCU	
1102910	LOST WITHDRAW CASH, DEV_CSH	
1102920	LOST DEPOSIT CASH, DEV_CSH	
1103910	LOST CARD & SLIP, DEV_MCU DEV_SPR	Check if the card reader and receipt printer are installed properly.
1105910	LOST PB, DEV_PBM	Check if the passbook printer is installed properly.
1106910	LOST PB & SLIP, DEV_SPR	Check if the passbook printer and receipt printer are installed properly.
1210200	Printed character not found at JS5 sensor of JPR when initializing.	
1210300	After rewinding, within some times, in case that JS2 sensor don't detect any paper in initializing Journal 1	
1210400	In case that TPH head is overheated in initializing Journal 1	
1210500	In case that JS3 sensor don't detect any paper in initializing Journal 1	
1220100	In case that JS3 sensor don't detect any paper before initializing Journal 1	

Hyosung Master Error Code List

Error Code	Description	Solution
1220200	In case that JS3 sensor don't detect any paper during initializing Journal 1	
1220400	In case that TPH head is overheated during initializing Journal 1	
1220500	In case that JS3 sensor don't detect any paper after initializing Journal 1	
1220600	Error of JS 2 sensor in printing Journal 1	
1220700	Paper jam during printing Journal 1	
1230100	In case that JS3 sensor don't detect any paper in automatically loading Journal 1	
1230200	Error of JS4 sensor before automatically loading Journal 1	
1230300	In case that JS4 sensor fail to detect any paper within some times in automatically loading Journal 1	
1230400	In case that JS2 sensor fail to detect any paper in automatically loading Journal 1	
1230500	In case that page mark is failed to detect in automatically loading Journal 1	
1230600	In case that JS3 sensor fail to detect any paper after detecting page mark in automatically loading Journal 1	
1230700	In case that JS2 sensor fail to detect any paper in automatically loading Journal 1	
1230800	In case that TPH head is overheated during loading Journal 1	
1230900	Error of JSOL1 echo check in automatically loading Journal 1	
1235100	In case that JS3 sensor not detect paper in automatically loading Journal 2	
1235200	In case that before automatically loading, spool position error detect	
1235300	In case that JS4 sensor fail to detect any paper in automatically loading Journal 2	
1235400	In case that JS2 sensor fail to detect any paper in automatically loading Journal 2	
1235500	In case that page mark is failed to detect in automatically loading Journal 2	
1235600	In case that JS3 sensor fail to detect any paper after detecting page mark in automatically loading Journal 2	
1235700	In case that JS2 sensor fail to detect any paper in automatically loading Journal 2	
1235800	In case that TPH head is overheated during loading Journal 2	
1235900	Error of JSOL1 echo check in automatically loading Journal 2	
1240100	In case that JS3 sensor don't detect any paper before printing emboss data of Journal 1	
1240200	In case that TPH head is overheated during printing emboss data of Journal 1	
1240500	In case that JS3 sensor don't detect any paper after printing emboss data of Journal 1	
1240600	In case that JS2 sensor don't detect any paper after printing emboss data of Journal 1	

Hyosung Master Error Code List

Error Code	Description	Solution
1245100	In case that JS3 sensor don't detect any paper before printing emboss data of Journal 1	
1245200	In case that TPH head is overheated during printing emboss data of Journal 1	
1245500	In case that JS3 sensor don't detect any paper after printing emboss data of Journal 1	
1245600	In case that JS2 sensor don't detect any paper after printing emboss data of Journal 1	
1333900	No response from IC card	
1910000	Undefined error (Journal Printer)	Reinitialized Journal printer and check again
1910400	The error of head right position (Journal Printer), Printer head is not at home position.	After checking the head right position, try to reinitialized Journal printer and check again. Reboot system to initialize JPR.
1910800	The error of Paper charger sub assembly (Journal Printer). Printed journal roll has trouble(s).	Check the Paper charger and status of supplied paper. Check printed journal roll and not printed new roll.
1912000	Failed to print due to shortage of CR/LF (Journal Printer). Failure on JPR printing caused by no CR/LF character.	Check if FFC cable is properly connected or short. Check cables to printer head.
1912100	Paper out when checked status of initializing (Journal Printer). JPR paper roll is out. Paper out when checked status of initializing	Check if supplied paper is running out of or occurred jam in return path. Check JPR roll.
1914000	Head overheat (Journal Printer). JPR printer head is heated too hot. Paper out when checked status of initializing (Journal Printer)	Turn off the power for a moment to slow down overheat of head and turn on the power. Check printer head. Wait for a while until JPR printer head cools off. Check if supplied paper is running out of or occurred jam in return path.
1914100	Paper jam error (Journal Printer). JPR paper is jammed.	Remove the jammed paper and initialize. Check JPR printer if paper is jammed, and remove jammed paper carefully. Reboot JPR if jammed paper is removed.
1999900	Receiving unknown command	
2000100	Cassette is not properly set. The Cash Dispenser Unit cassette is not installed. The Control Electronics checks if the Cash Dispenser Unit cassette is in the right position with the location sensor (LS6), and generates an error when the Cash Dispenser Uni	<div>1. Install the cassette again.</div> <div>2. Check if LS6 (micro switch) is fully pressed while the cassette is loaded.</div> <div>3. Check if LS6 connector has been properly inserted and if cable is cut.</div> <div>4. Check logic related to LS6 of the Cash Dispenser Unit board.</div>
2000200	Cassette empty. Cash is not enough. This error occurs in the following cases: 1. When the number of bills is 0 after the final payment transaction is made2.?When the low level sensor (LS5) detects that the cassettes is at a low level in Low currency ch	<div>1. Fill cash and set the number of bills. -- In Low currency enable mode:</div> <div>2. Check if LS5 hole on the side of the cassettes is matching with LS5 after installing the cassette.</div> <div>3. Check if the reflection plate of the LS5 sensor is polluted in the cassette.</div>
2000300	The reject box is full. This error occurs when the sum of rejected bills during the transaction and the rejected bills during the test is more than 50 after finally executing Cassette Total.	Execute Cassette Total after moving cash from the reject box.
2000400	The security door is open. The sensor detects that the security door is open.	<div>1. Close the security door.</div> <div>2. Check if the security door can be mechanically opened and closed by the door switch.</div> <div>3. Check if cable between the door switch and the Control Electronics is cut.</div> <div>4. Check if the connector is well connected to the Control Electronics</div>

Hyosung Master Error Code List

Error Code	Description	Solution
2000500	Cash Dispenser Unit data (country, cassette, shutter) setting error occurs during initialization.	1. Check Cash Dispenser Unit information. 2. Check battery back-up SRAM 3. Check the battery.
2000800	This error occurs at the failure of receipt paper cutting	1. Check paper jam and remove it 2. Replace cutter module 3. Check if cable and connector are not connected properly 4. Check the logic for cutter in receipt printer board
2001000	Receipt paper jam in the receipt printer. The jam detection sensor checks if there is paper before starting operation.	1. Remove paper jam and paper scraps. 2. Check the lever operation position in the sensor. 3. Check if the sensor is polluted. 4. Check if cable is cut or the connector is wrongly inserted. 5. Check logic related to the jam detection sensor of the Slip Print
2001100	TPH Headup Lever Open	Check Headup Lever
2001200	The feed lever of the receipt printer is open. It was detected that the feed lever was open before the receipt printer started to operate.	1. Close the feed lever. 2. Check if the micro switch of the feed lever normally functions. 3. Check if cable of the micro switch is cut in the feed lever and the connector is wrongly inserted.
2001300	Receipt paper is empty. It was detected that receipt paper was empty before the receipt printer started to operate (when both the paper empty sensor and the paper setting sensor are lights).	1. Fill paper. 2. Check the lever operation position in the sensor. 3. Check if cable is cut or the connector is wrongly inserted.
2001400	The thermal head of the receipt printer is overheated (before the receipt printer starts to	1. Check and replace the thermal printer head. 2. Check logic related to the TPH of the PR board.
2001500	LOW PAPER OF RECEIPT PRINTER !!!	Change the receipt paper of receipt printer.
2001600	Note detected in stacker (shutter or presenter type)	Clear any notes from the stacker.
2010100	In case of detecting to be open lever of print head before printing receipt paper (Receipt Printer). Platen is opened Platen lever open(Mis-handling)	Close the lever of print head completely
2010200	Receipt printer head overheated	Wait the time until the temperature of head adequately slow down and try to initialize
2010300	Jam error Jam occurred during returning or the abnormal jam sensor(Abnormal Mecha)	1. Remove jammed paper between printer head and rollers
2010400	Paper set error Abnormal paper setting(Mis-handling)	
2010500	Detecting paper setting error before printing. It is detected that paper is not properly set before	1. Check the status of setting paper 2. Check the status of sensor and its connector
2010600	Command is received while doing self-test (Receipt Printer). Offline error Offline mode is engaged(Mis-handling)	After terminating self-test and initialize receipt printer
2010700	No receipt paper	1. Replenish receipt paper in paper charger 2. Check the status of Near End sensor and its connector
2010800	It is detected that paper is not properly cut while operating	1. Check the Cutter module 2. Check if printer head lever is properly close
2010900	Black mark is not properly detected in receipt paper before printing (Receipt Printer)	1. Check the status of Black mark sensor 2. Check if Dip switch # 6 is correctly set (Dip switch # 6 is set by On in case of not using Black mark)
2010A00	The size of image print data is abnormal while printing image (Receipt Printer)	Check the AP version and initialize

Hyosung Master Error Code List

Error Code	Description	Solution
2021500	Sensor detects note in delivery path before CDU dispenses	Remove note from the CDU delivery path.
2080100	Platen is opened Platen lever open(Mis-handling)	Close the lever of print head completely
2080200	In case of detecting to be overheated in print head before printing receipt paper	Wait the time until the temperature of head adequately slow down and try to initialize
2080300	Paper jam occurs in return path after printing or cutting or discharging receipt paper (Receipt Printer)	Remove jammed paper between printer head and rollers
2080400	Paper set error Abnormal paper setting(Mis-handling)	1. Replenish receipt paper 2. Check the status of sensor and its connector
2080500	No paper Abnormal paper setting or no paper(Mis-handling)	1. Check the status of setting paper 2. Check the status of sensor and its connector
2080600	Command is received while doing self-test	After terminating self-test and initialize receipt printer
2080700	Found during idle time that paper at SPR is not enough to print.	1. Replenish receipt paper in paper charger 2. Check the status of Near End sensor and its connector
2080800	It is detected that paper is not properly cut while operating (Receipt Printer)	1. Check the Cutter module 2. Check if printer head lever is properly close
2080900	Black mark is not properly detected in receipt paper after printing (Receipt Printer)	1. Check the status of Black mark sensor 2. Check if Dip switch # 6 is correctly set (Dip switch # 6 is set by On in case of not using Black mark)
2080A00	Abnormal size of image data found during idle time while checking status of SPR.	Check the AP version and initialize
2080B00	Margin setting error (Receipt Printer)	1. Check whether the default registry setting is changed 2. Reset the PTR SP
2080C00	Paper jammed at the exit of the slot	Remove the jammed paper
2080D00	Paper jammed in the path (Receipt Printer)	Remove the jammed paper
2080F00	The firmware crashed (Receipt Printer)	1. Check whether the dip switch #1 is set to ON position 2. Update the firmware
2110100	Solenoid echo error (Retraction solenoid pull direction echo check Error while receipt paper Initializing) (Receipt Printer)	
2110200	Solenoid echo error (Retraction solenoid release direction echo check Error while receipt paper Initializing) (Receipt Printer)	
2110300	Cutter regular position error while receipt paper Initializing (Receipt Printer)	
2110400	No paper on SS2 before cutting while receipt paper Initializing (Receipt Printer)	1. Open upper part lever of return road and printer lever 2. Remove receipt paper roll 3. Cut without fold and neatly end of receipt paper 4. Reset receipt paper roll
2110600	Paper out error upon initializing SPR.	
2110700	Fail paper retraction while receipt paper Initializing (Receipt Printer)	1. Open upper part lever of return road 2. Remove receipt paper between upper guides 3. Lift up upper guide and close
2110900	Path 1 or path 2 are opened upon initializing SPR.	Close upper guide
2111000	No paper in paper perception sensor(SS3) while receipt paper Initializing (Receipt Printer)	Set receipt paper
2111100	Overheating detect in THP head while receipt paper Initializing (Receipt Printer)	1. Cool off TPH head, and initialize SPR again.
2111200	Fail Black Mark detection before cutting while receipt paper Initializing (Receipt Printer)	1. Open upper part lever of return road and printer lever

Hyosung Master Error Code List

Error Code	Description	Solution
		2. Remove receipt paper roll
		3. Check position of black mark (on lower 1/4 part of receipt paper)
		4. Reset receipt paper roll
2111300	Found TPH lever open upon initializing SPR.	1. Close TPH lever, and initialize SPR again.
2111400	R-gate solenoid, SSOL3, echo check error when it is pulled in upon initializing SPR.	1. Check SSOL3 if it works good or if it is damaged.
		2. Check sensors around SSOL3 carefully and clean it.
		3. Clean solenoid shaft if possible.
2111500	R-gate solenoid, SSOL3, echo check error when it is released out upon initializing SPR.	1. Check SSOL3 if it works good or if it is damaged.
		2. Check sensors around SSOL3 carefully and clean it.
		3. Clean solenoid shaft if possible.
2111600	R-guide solenoid, SSOL2, echo check error upon initializing SPR.	1. Check SSOL2 if it works good or if it is damaged.
		2. Check sensors around SSOL2 carefully and clean it.
		3. Clean solenoid shaft if possible.
2111700	SPR connector is not connected upon initializing SPR.	Connect it properly.
2111900	TPH connector the detection which is not connected while receipt Paper Initializing (Receipt Printer)	Connect it properly.
2112100	Paper retraction fail in Discharge gate while receipt paper Initializing (Receipt Printer)	1. Open upper part lever of return road
		2. Remove receipt paper between upper guides
		3. Lift up upper guide and close.
2112200	Paper retraction failure on paper path, at SS1, SS2, upon initializing SPR.	1. Check the paper path of SPR carefully around SS1, SS2
		2. Check if paper roll is set properly.
2112X00	Paper retraction fail in Discharge gate while receipt paper Initializing (Receipt Printer)	1. Open upper part lever of return road
		2. Remove receipt paper between upper guides
		3. Lift up upper guide and close or Reset receipt paper.
2121000	Paper perception sensor(SS3) not detected paper before receipt paper (Receipt Printer)	1. Close printer lever.
		2. Check if paper roll is set properly.
		3. Check sensor SS3 and clean it carefully.
2121100	Printing Overheating detect in TPH while receipt paper printing (Receipt Printer)	
2121200	Paper not found at SS3 after printing on SPR.	1. Check if paper roll is set properly.
		2. Check sensor SS3 and clean it carefully.
	Paper retraction failure at paper path, SS2, upon initializing SPR.	1. Check paper path near SS2 carefully.
		2. Check if paper roll is set properly.
2121300	Receipt paper jam error occurred during ejecting the receipt paper after print	1. Remove the receipt paper jam
		2. Reset the receipt paper roll
2130300	Cutter regular position error in cut command (Receipt Printer)	1. Open upper part lever of return road and printer lever
		2. Remove receipt paper roll
		3. Check position of black mark (on lower 1/4 part of receipt paper)
		4. Reset receipt paper roll
2130400	Regular position sensor(SS2) detect no paper after receipt paper cutting (Receipt Printer)	1. Open upper part lever of return road
		2. Remove receipt paper between upper guides
		3. Lift up upper guide and close
2130500	Paper not found at SS2 before cutting paper at SPR.	1. Check printer cutter carefully.
		2. Check if paper is jammed near SS2 on path or if SS2 works good.
		3. Replace printer head assembly or whole SPR.
2130600	Black mark on backside of paper not found when cutting paper at SPR.	1. Check if paper has a black mark at backside.
		2. Check if paper roll is set properly.
		3. Check if paper is jammed on path.

Hyosung Master Error Code List

Error Code	Description	Solution
2131500	CS4 sensor detects note in delivery path before CDU dispenses. Sensor is located along the delivery path right before the reject bin.	Remove note from the CDU delivery path.
2140500	Paper found at SS2 of paper sexit slit after ejecting paper cut at SPR.	1. Check if paper is jammed near SS2 on path or if SS2 works good. 2. Check printer cutter carefully.
2150700	Paper found at SS2 of paper sexit slit after retracting paper cut at SPR	1. Check if paper is jammed near SS2 on path or if SS2 works good. 2. Check printer cutter carefully.
2150800	Paper not found at SS2 within time out when retracting paper cut at SPR.	1. Check if paper is jammed near SS2 on path or if SS2 works good. 2. Check printer cutter carefully.
2170300	Receipt paper jam found at SS2 before ejecting paper and card.	
2170400	Receipt paper jam found at SS2 when ejecting paper and card, and communication with MCRW time out.	
2170500	Receipt paper jam found at SS2 when ejecting paper and card.	
2171000	Receipt paper jam found at SS2 and card jam found at MCRW when ejecting paper and card.	
2174000	No response from MCRW when ejecting card and paper.	
217XX00	MCRW error when ejecting paper and card.xx means error code from MCRW.	
2180100	Retraction solenoid echo check error when it is pulled in to auto load receipt paper roll.	
2180200	Retraction solenoid echo check error when it is released out to auto load receipt paper roll.	
2180300	R-gate solenoid echo check error when it is on to auto load paper roll.	
2180400	R-gate solenoid echo check error when it is pulled in to auto load paper roll.	
2180500	R-gate solenoid echo check error when it is released out to auto load receipt paper roll.	
2180600	Sensor connector not connected when it try to auto load receipt paper roll.	
2180700	Lever 2 on the path is open when it tries to auto load receipt paper roll.	
2180800	Lever 1 on the path is open when it tries to auto load receipt paper roll.	
2180900	Retraction failure of remained paper on the path before it tries to auto load receipt paper roll.	
2181100	New roll to be refilled is found, and near-end sensor, SS7, by being-used roll is activated before it tries to auto load receipt paper roll.	
2181200	Receipt paper is not found at SS7 even though new paper roll is released when it tries to to auto load receipt paper roll.	
2181300	No paper is found at paper-seperated-detecting sensor, SS6 within proper time interval when it tries to auto load receipt paper roll.	

Hyosung Master Error Code List

Error Code	Description	Solution
2181400	No paper is found at paper detecting sensor, SS5 within proper time interval when it tries to auto load receipt paper roll.	
2181500	Cutter position error when it tries to auto load paper roll.	
2181600	Paper cutting error when it tries to auto load paper roll.	
2181700	Paper cut retraction error when it tries to auto load paper roll.	
2181800	TPH lever is open when it tries to auto load paper roll.	
2181900	No paper is found near-end sensor, SS7, and roll-refill sensor, SS8 when it tries to auto load paper roll.	
2182100	TPH connector is not connected properly when it tries to auto load paper roll.	
21A1500	CS1A sensor detects note in delivery path before CDU dispenses. Sensor is located along the delivery path right after where the note exits the 1st cassette.	Remove note from the CDU delivery path.
21B1500	CSB sensor detects note in delivery path before CDU dispenses. Sensor is located along the delivery path right after where the note exits the 1st cassette.	Remove note from the CDU delivery path.
2222200	The image is not black-white mode while its transmission period (Receipt Printer)	
2333900	Comm. ErrorNo response from the IC card	
24A1500	CS3A sensor detects note in delivery path before CDU dispenses. Sensor is located along the delivery path right after where the note exits the 3rd cassette.	Remove note from the CDU delivery path.
24B1500	CS3B sensor detects note in delivery path before CDU dispenses. Sensor is located along the delivery path right after where the note exits the 3rd cassette.	Remove note from the CDU delivery path.
2999900	Unable to interpret M1 at MAINUnable to interpret FC1 at PRINTUnable to interpret FC1 at MCRW	
2DN0000	Failed to connect communication between Receipt printer and SP (Receipt Printer)	Check if communication cable or com port is not connected
3@00100	MCR read data error	
3@00200	No data on magnetic stripe.	
3@00300	MCR data write error	
3@00400	Abnormal command code for MCR.	
3@00500	MCR write data format error	
3@00600	MCR write data size is too big.	
3@01000	Abnormal data on ISO 2 track when two tracks are read simultaneously.	
3@02000	Abnormal data on ISO 3 track when two tracks are read simultaneously.	
3@03000	Abnormal data from JIS-2 track.	
3000000	To shows that received command was undefined	
3000100	To show command parameter error	

Hyosung Master Error Code List

Error Code	Description	Solution
3000200	The reception of the command that impossible to implementation	
3000400	To show that error data was included in command	
3000500	To show that a command, which requires the card movement, was executed before IC contacts were released from the card	
3001000	To show that the card was not carried to the specific location after specified number of trial for specified time during execution of command of carrying card in various ways	
3001100	To show that status signal for shutter openis not received while shutter is open.	
3001200	To show that the Sensor is damaged or more that one card is inside ICRW.	
3001300	To show that the card longer than 92mm is inserted into ICRW	
3001400	To show that the card shorter than 78mm is inserted into ICRW	
3001500	To show that data in F-ROM is damaged	
3001600	To show that the card staying inside ICRW was moved up to the point where status request information change. To show that card was inserted into the ICRW through rear side by external force	
3001700	To show that the card was not carried to the specific location after specified number of trial for specified time during execution of RETRIEVE command.	
3001800	To show that shutter open/close detection sensor(SW2) and card width check sensor(SW1) are not operating correctly.	
3001900	To show that a card was not inserted from the rear, even if 10 seconds had passed after the execution of BACK ENTRY command	
3002000	To show that track has parity error	
3002100	To show that read error has happened in Multiple magnetic read command.	
3002200	To show that write error is detected through write/verify procedure.	
3002300	To show that only SS,ES,LRC are contained in the track. (no retry)	
3002400	To show that the card has no magnetic track(no retry)	
3002500	To show that quality error(Jitter,Preamble,Postamble) has happended in write verify.	
3002600	To show that the track has no SS.	
3002700	To show that the track has no ES	
3002800	To show that the track has no LRC error	
3002900	To show that the discordance of write data has happened in write verify.	
3003000	To show that power down(or power cut in short instant)is detected(or being detected).	

Hyosung Master Error Code List

Error Code	Description	Solution
3003100	To show that DSR signal was turned to OFF(communication is cut)	
3003200	-Card position change -The position of a card inserted into the C/R was changed -The host can send the next command after it receives the error code	
3003300	-Data error in flash memory-The SUM value in data stored in the flash memory is incorrect. The memory might have been destroyed-The host can send the next command after it receives the error code	
3004000	To show that the card was pulled out form ICRW through entrance gate when CAPTURE command is being executed.	
3004100	Failure at IC Contact solenoid or sensor ICD.	
3004200	-Read error (VRC error)-Vertical parity error(VRC error) was detected in the read data (excluding SS and ES codes)-Although the C/R detected the magnetic data error, the host can send the next command	
3004300	Card could not be set to IC contact position/Failure at sensor PDI.	
3004400	-Read error (Not encoded)-The read magnetic data was not encoded-Although the C/R detected the magnetic data error, the host can send the next command	
3004500	ICRW lost sight of the card when ICRW completed to carry the card to the rear position during the card acceptance, and ICRW ejected the card to entrance gate.	
3004600	To show that the ejected card has not been withdrawn during execution of Monitoring for removal command.	
3004700	-Card check error of banking facilities-Card of a Japanese banking facility was used (Only JIS 2 is checked) The data will be returned after they are coded-Although the C/R detected the magnetic data error, the host can send the next command	
3004900	-Read track setting error-The specified track has not been read-Although the C/R detected the magnetic data error, the host can send the next Command	
3004A00	-Transport failure during mag.reading-Transport during reading mag. was failed because of deformation of a card.-When a card was inserted, a user held it-Although the C/R detected the magnetic data error, the host can send the next Command	
3005000	Retract counter overflow.	
3005100	To show that Motor error has happened, through start/stop check in Initialize command.	
3005300	To show that read error in Digital Decode Read Command.	

Hyosung Master Error Code List

Error Code	Description	Solution
3006000	To show that there found abnormal condition on the power-line.	
3006100	The receiving error for ATR.	
3006200	To show that the specified protocol does not agree with that of ICC/SAM ICRW still connected.	
3006300	In case T=1 cards, after ATR receiving, IFS exchange is failed. ICRW detects time out.	
3006400	In case T=1 cards, after ATR receiving, IFS exchange is failed. ICRW detects protocol error.	
3006500	HOST tried to communicate with IC card without card activation.	
3006600	ICRW tried to activate with ICC/SAM, but the card returned ATR, which is not supported.	
3006900	ICRW tried to activate with ICC/SAM, but the card returned ATR, Which does not match EMV.	
3007000	Failure at F-ROM operation.	
3007100	Firmware of User program code area is wrong.	
300B000	Received the other command before executing Initialize command.	
3011000	MCRW initialization failure because of card jam.	
3011100	MCRW initialization failure because of shutter error.	
3014000	MCRW initialization failure because of no response from MCRW.	
3020100	Card read error because of parameter read error.	
3021000	Card read error because of card jam.	
3021600	Card read error because of wrong card position.	
3024000	Card read error because of no response from MCRW.	
3030100	Card write error because of wrong parameter.	
3030400	Card write error because of write data error.	
3031000	Card write error because of card jam.	
3031100	Card write error because of shutter error.	
3031600	Card write error because of wrong position.	
3032200	Card write error because of data verification error.	
3044000	No response from MCR or NAK received when card is inserted.	
3050100	Parameter error detected when card is ejected.	
3051000	Card jammed when card is ejected.	
3054000	No response from MCU when card is ejected.	
3061000	Card jammed when card is retracted.	
3064000	No response from MCRW when card is retracted.	
3084000	No response from MCRW when MCRW version number is read.	
3091000	Card jammed when emboss read.	
3094000	No response from MCRW when emboss read.	
30b4000	No response from MCRW when card entry is disabled.	

Hyosung Master Error Code List

Error Code	Description	Solution
30FXX00	Quasi normal information (All MCU commands)XX : Card location information 1) 00 : No card in the return path 2) 01 : Card in the entry 3) 02 : Card is in the return path	
3100100	Send to undefined command	Check if communication cable and com port are connected or not.
3100200	Command execution is impossible.	Other command is executing.
3100400	Command data error	Check if communication cable and com port are connected or not.
3101000	Latch sensor is abnormal.	Check the latch sensor in the device.
3102000	Card has not been read yet or other errors.	Reset the device by reset command.
3102100	No start sentinel.	Reset the device by reset command.
3102200	VRC Error	Reset the device by reset command.
3102300	No End sentinel	Reset the device by reset command.
3102400	LRC Error	Reset the device by reset command.
3102700	SS-ES-LRC card	Reset the device by reset command.
3103000	Detection of Power failure	Check if communication cable and power cable are connected or not.
3106000	Abnormal condition was found on the power-line (Vcc) of ICC(or SAM)	Check if communication cable and power cable are connected or not.
3106100	The receiving error of ATR.	Reset the device by reset command.
3106200	The card(SAM) does not accept this protocol	Reset the device by reset command.
3106300	IC card(SAM) communication error(No answer)	Reset the device by reset command.
3106400	IC card(SAM) communication error(Other)	Reset the device by reset command.
3106500	IC card(SAM) is not activated	Reset the device by reset command.
3106600	IC card(SAM) returned ATR which is not supported ISO/IEC7816-3	Reset the device by reset command.
3106900	IC card(SAM) returned ATR which does not match EMV 2000 V4.0	Reset the device by reset command.
3107000	F-FROM write error	Reset the device by reset command.
3107200	EEPROM operation error	Reset the device by reset command.
3109900	_INTERNAL_ERROR error is occurred and Fail to get error code from DLL	None(Auto recovery)
3142900	Comm. Error- No response from MCRW or NAK received when card entry is enabled.- No response from MCRW when card entry is disabled	
3XX1000	Card jammed	1. Check position of card 2. Turn green knob clockwise 3. Remove restored card
4000000	Cash Dispenser(CDU) received the undefined command from AP software	1. Get the trace file and log files in D:\trace 2. Call your attendant
4001100	CS2 Dark detection during initializing or dispense reserved operation (Reject box mounting/dismounting)	1. Initialize after mounting the reject box. 2. Check if the CS2 sensor cable is disconnected 3. Exchange a sensor after abnormal operating CS2 Sensor
4001200	CS3 Dark detection during initializing or Dispense reserved operation (Cash Dispenser)	1. Remove the remaining notes or foreign objects on the gate 2. Check if the CS3 sensor bracket is bended. 3. Check if the CS3 sensor cable is disconnected (CDU Board CN10 #9~10). 4. Exchange a sensor after abnormal operating CS3 Gate detecting sensor.
4001300	CS2 and CS3 Dark detection during initializing or dispense reserved operation (Cash Dispenser)	1. Remove the remaining notes or foreign objects on the gate

Hyosung Master Error Code List

Error Code	Description	Solution
		2. Check if the CS2 or CS3 sensor bracket is bended.
		3. Check if the CS2 or CS3 sensor cable is disconnected (CDU Board CN10 #9~10).
		4. Exchange a sensor after abnormal operating CS3 Gate detecting sensor.
4001400	CS4A Dark detection during initializing or dispense reserved operation (Cash Dispenser)	1. Remove the remaining notes and foreign objects at the position of the CS4A sensor
		2. Check if the CS4A sensor cable is disconnected
		3. Exchange a sensor after abnormal operating the CS4A Sensor
4001500	CS2 and CS4A Dark detection during initializing or dispense reserved operation (Cash Dispenser)	Remove note from the CDU delivery path. Clean CS2 and CS4A.
4001600	CS2 and CS4A Dark detection during initializing or dispense reserved operation (Cash Dispenser)	The same as #40011 and #40012 error handling
4001700	CS2, CS3 and CS4A Dark detection during initializing or dispense reserved operation (Cash Dispenser)	The same as #40011, #40012 and #40014 error handling
4001800	CS4B sensor detects note in delivery path before/after CDU dispenses	1. Remove note from the CDU delivery path.
		2. Clean CS4B
4001900	CS2 or CS4B sensor detects note in delivery path before/after CDU dispenses	1. Remove note from the CDU delivery path.
		2. Clean CS2 and CS4B
4001A00	CS2, CS3 and CS4A Dark detection during initializing or dispense reserved operation (Cash Dispenser)	The same as #40011 and #40018 error handling.
4001B00	CS2, CS3 and CS4A Dark detection during initializing or dispense reserved operation (Cash Dispenser)	The same as #40011, #40012 and #40018 error handling.
4001C00	CS4A or CS4B sensor detects note in delivery path before/after CDU dispenses	1. Remove note from the CDU delivery path.
		2. Clean CS4A and CS4B
4001D00	CS2, CS4A or CS4B sensor detects note in delivery path before/after CDU dispenses	Remove note from the CDU delivery path. Clean CS2, CS4A and CS4B. The same as #40011, #40014 and #40018 error handling.
4001E00	CS3, CS4A and CS4B Dark detection during initializing or dispense reserved operation	The same as #40012, #40014 and #40018 error handling
4001F00	CS2, CS3, CS4A and CS4B Dark detection during initializing or dispense reserved operation (Cash Dispenser)	The same as #40011, #40012 and #40014 error handling
4002100	CS11A Dark detection during initializing or dispense reserved operation (Cash Dispenser)	1. Remove the remaining notes and foreign objects at the position of the CS11A sensor
		2. Check if the CS11A sensor cable is disconnected.
		3. Exchange a sensor after abnormal operating the CS11A sensor
4002200	CS11B Dark detection during initializing or dispense reserved operation (Cash Dispenser)	1. Remove the remaining notes and foreign objects at the position of the CS11B sensor
		2. Check if the CS11B sensor cable is disconnected
		3. Exchange a sensor after abnormal operating the CS11B sensor
4002300	CS11A and CS11B Dark detection during initializing or dispense reserved operation (Cash Dispenser)	1. Remove note from the CDU delivery path.
		2. Clean CS1A and CS1B
4002700	CS13A Dark detection during initializing or dispense reserved operation (Cash Dispenser)	1. Remove the remaining notes and foreign objects at the position of the CS13A sensor
		2. Check if the CS13A sensor cable is disconnected

Hyosung Master Error Code List

Error Code	Description	Solution
		3. Exchange a sensor after abnormal operating the CS13A sensor
4002800	CS13 Dark detection during initializing or Dispense reserved operation (Cash Dispenser)	Remove the remaining notes and foreign objects at the position of the CS13 sensor. Check if the CS13 sensor cable is disconnected (CDU Board CN10 #1~4). Exchange sensor if error occurs after checking CS13 sensor operation. Remove note from the CDU deliver
4002900	CS11A and CS13 Dark detection during initializing or dispense reserved operation (Cash Dispenser)	1. Remove note from the CDU delivery path. 2. Clean CS1A and CS13
4002A00	CS11B or CS13 sensor detects note in delivery path before/after CDU dispenses	1. Remove note from the CDU delivery path. 2. Clean CS1B and CS13
4002B00	CS11A, CS11B or CS13 sensor detects note in delivery path before/after CDU dispenses	1. Remove note from the CDU delivery path. 2. Clean CS1A, CS1B and CS13
4003000	Failed in checking the main motor echo	1. Initialize 2. Check Main Motor Encoder Slit 3. Initialize after Power On/Off 4. Check Encoder Sensor CS8 BRKT 5. Check CS8 Sensor Cable 6. Change Main Motor Encoder Slit Sensor CS8
4003100	Failed in checking the reject gate solenoid echo	Listen to click sound during cash dispenser initializing- If that sound occurs in 2 seconds after motor was turned, it is normal- If there is delayed, replace PCB on cash dispenser
4003200	Failed in checking the present gate solenoid echo	Listen to click sound during cash dispenser initializing- If that sound occurs in 2 seconds after motor was turned, it is normal- If there is delayed, replace PCB on cash dispenser
4003300	Check sum error (No information is set) (Initial recovery) (Cash Dispenser)	1. Check CDU Information after reading CDU version 2. Initialize 3. Initialize after executing CDU Information Set('P') Command 4. Change CDU B/D. 5. Replace PCB on cash dispenser
4003400	Error two sheets detecting sensor (CS5_1) for initializing (Cash Dispenser)	1. Check CS5_1 Sensor Cable 2. Check second Dip Switch in CDU B/D 3. Change CS5_1 Sensor
4003500	Error two sheets detecting sensor (CS5_2) for initializing (Cash Dispenser)	1. Check CS5_2 Sensor Cable 2. Check second Dip Switch in CDU B/D 3. Change CS5_2 Sensor
4003600	Error of CS 2, CS13 sensor during initialization	1. Check note jam at CS2 and CS13 sensor 2. Clean CS2 and CS13 sensors 3. Reconnect CS2 and CS13 sensors 4. Replace CS2 and CS13 sensor
4003700	Error of double detecting module including sensor(CS5_1/CS5_2) during dispensing bills (Cash Dispenser)	1. Check CDU Board Segment 2. Initialize 3. Read data of 'Read Double Sensor'Command
4003800	The cash dispenser is released from the docking position (Cash Dispenser)	1. Return the docking position of cash dispenser 2. Reboot ATM 3. Replace PCB on cash dispenser
4003900	Abnormal operation of the gate solenoid during initialization or before dispensing bill.	1. Initialize after removing notes or dust over Gate 2. Check CS3 Sensor BKRT 3. Check CS3 Sensor Cable 4. Exchange Sensor after abnormal operating CS3 Gate detecting Sensor 5. Exchange Reject Solenoid 1

Hyosung Master Error Code List

Error Code	Description	Solution
4003A00	This error occurs when the number of demanded bills are more than 5 in dispensing command for test.	1. Check command that CDU is received 2. Check CDU EP ROM Version or specification
4003b00	(Cash Dispenser) When CS15A or CS 15B, CS21A sensor is detected as dark after initial recovery	1. Remove notes or dust in existence CS15A Sensor 2. Check CS15A Sensor Cable 3. Exchange Sensor after abnormal operating CS15A Sensor
4003C00	1 Cassette not available during dispense reserved operation	1. Set 1 Cassette 2. Check CS7 Sensor Cable 3. Exchange Sensor after abnormal operating CS7 Sensor
4003D00	Incomplete mounting of 1st cassette during dispense operation (Cash Dispenser)	1. Check notes' status in 1st Cassette 2. Check 1st cassette specifications 3. Check if the CS7 sensor cable is disconnected 4. Exchange a sensor after abnormal operating the CS7 sensor .
4003E00	CS21B DARK Detected (Initial recovery, Separated reject)	1. Remove notes or dust in existence CS21B Sensor 2. Check CS21B Sensor Cable 3. Exchange Sensor after abnormal operating CS21B Sensor
4003F00	CS21A,CS21B DARK Detected(Initial recovery, Separated reject) (Cash Dispenser)	1.Remove notes or dust in existence CS21A , CS21B Sensor 2. Check CS21A, CS21B Sensor Cable 3. Exchange sensor after abnormal operating CS21A, CS21B Sensor.
4004000	Taking out a cassette during dispensing bills. (1~4 cassette)	1. Push the cassette until making click sound 2. Check the catcher inside cassette guide
4004100	Error if re-driving is over 5 times (Separated rejection) (Cash Dispenser)	1. Check notes in Reject Box 2. Rearrange notes in Cassette 3. Remove dust in CS21AB, CS31AB, CS41AB CS11AB Sensor 4. Check dust existing in CS5 Sensor Guide 5. Check dust existing in Main Motor Encoder Slit 6. Check index value of notes each cassette
4004200	This error occurs when CS13 (the number of dispensed bills) is smaller than the number of demanded bills.	1. Check notes dispensed and rejected 2. Remove notes jammed in CDU 3. Remove dust in CS13 Sensor 4. Exchange sensor after abnormal operating CS13 Sensor
4004300	Error if total reject is more than 20 sheets(Separated rejection)	1. Check notes in Reject Box 2. Rearrange notes in Cassette 3. Remove dust in CS11AB, CS21AB, CS31AB, CS41AB Sensor 4. Check dust in existence CS5 Sensor Guide 5. Check notes index value
4004400	Reject error if continuous 5 times (Separated rejection)	1. Check notes in Reject Box 2. Rearrange notes in Cassette 3. Check dust in Main Motor Encoder Slit 4. Remove dust in CS21AB, CS31AB, CS11AB Sensor 5. Exchange CS8 Encoder Slit Sensor
4004500	In case the number of notes detectedoutlet sensor(CS13) is more than required notes	1. Check notes dispensed and rejected 2. Remove dust in CS13 Sensor

Hyosung Master Error Code List

Error Code	Description	Solution
		3. Exchange sensor after abnormal operating CS13 Sensor
4004600	Program error(Separated rejection)	1. Initialize after Reset Power 2. Upgrade CDU Firmware or Re-download 3. Exchange CDU B/D
4004700	1 CASSETTE MISFEED ERROR(Separated rejection)	1. Check notes in 1 Cassette 2. Check Sensor(CS6) Poll 3. Check jam in 1 cassette and reload 4. Remove dust in CS11A, CS11B Sensor 5. Exchange 1 cassette box when there are many error
4004800	The dispensed count in CS 13A and CS13B is not consistent (Cash Dispenser)	1. Check notes dispensed and rejected 2. Remove dusts in CS13A and CS13BSensor 3. Exchange sensor after abnormal operating CS13A and CS13B Sensor
4004900	Dispensing 0 sheets required is error(Separated rejection)	1. Check received command 2. Check communication cable 3. Check CDU Firmware Version
4004A00	CS1AB ~ CS13 Time out (Jam) during dispensing bills from first cassette.	1. Remove jammed notes on CDU return path 2. Remove dust in CS1~CS4 sensor 3. Install after rearranging notes in cassette
4004B00	Bills are rejected 3 times continuously because of bill separation error during dispensing.	1. Check state of notes in reject box 2. Rearrange notes in cassette 3. Check Index of notes 4. Check foreign objects in the main motor encoder slit 5. Replace the CS8 encoder slit sensor
4004C00	In case the number of notes detected outlet sensor(CS13) is more than that of notes detected on CS1A,B sensor	
4004D00	Cassette 1 is not completely mount into CDU body during dispense operation of cassette 1	
4004E00	Detected the remaining notes during dispense reserved operation (Cash Dispenser)	1. Initialize after removing the return path 2. Clean sensors on the return path (CS13)
4004F00	The number of bill reject is exceeded to the standard value due to lots of skew in bills (Cash Dispenser)	Rearrange notes in cassette properly
4005000	Reserved	
4005100	Received a request for over 120 notes dispensing on the CDU from the upper unit. (Cash Dispenser)	1. Check the CDU received command 2. Check the abnormal communication cable. 3. Check the CDU firmwave version and refer to specifications.
4005200	The remaining notes at the sensor in front of the CST after dispense operation (CS11AB, CS21AB, CS31AB, CS41AB)	1. Remove the remaining notes at a sensor in front of the CST 2. Realign notes in the cassette 3. Check abnormal clutch. 4. Check abrasion of the cassette box pick unit.
4005300	Error for the double note detection during separation.	
4005400	CDU EP Program Error during dispense operation (failed table search) (Cash Dispenser)	1. Initialize after resetting the power 2. Upgrade the CDU firmware or re-download software 3. Replace the CDU B/D
4005500	Timeout due to note's length error passed through	1. Remove a jammed note between the tray and CDU

Hyosung Master Error Code List

Error Code	Description	Solution
	the CS13 during dispense operation	2. Remove a jammed note at the position of the CS13 sensor 3. Remove a dust on the CS13 sensor
4005600	Abnormal operation of the gate solenoid 1 during dispense operation.	1. Remove a jammed note on the gate 2. Remove notes in the reject box and remount the reject box 3. Check if the CS3 sensor bracket is bended. 4. Check if the CS3 sensor cable is disconnected 5. Exchange a sensor after abnormal operating CS3 Gate detecting sensor. 6. Replace the reject solenoid 1
4005700	Sum check error of note index setting value in the CDU CST of EEPROM during initializing	1. Read the CDU version to check CDU CST note index 2. Reinitialize 3. Initialize after executing the CDU Information Set('P') Command 4. Replace the CDU board
4005800	Retract box position error during command reserved operation	1. Mount the retract box or open the box cover 2. Check if CS62 sensor poll is abnormal 3. Check if the CS62 sensor cable is disconnected(CDU Board CN10 #5~2).
4005900	2nd Cassette is not available during dispense reserved operation (Cash Dispenser)	1. Mount 2nd cassette 2. Check if the CS17 sensor cable is disconnected. 3. Exchange a sensor after abnormal operating the CS17 sensor .
4005A00	Incomplete mounting of 2nd cassette during dispense operation (Cash Dispenser)	1. Check notes' status in 2nd Cassette 2. Check 2nd cassette specifications 3. Check if the CS17 sensor cable is disconnected 4. Exchange a sensor after abnormal operating the CS17 sensor .
4005B00	2 Cassette miss feed during dispense operation (Cash Dispenser)	1. Check the remaining notes in 2 Cassette 2. Check if the remaining note sensor (CS26) is normal 3. Check a jammed note in 2 Cassette or remount it 4. Remove the dust on the CS21A and CS21B Sensors 5. Replace 2nd cassette box when multiple error occurs
4005C00	Sensor dark in front of the CST except dispensing during dispense operation (Cash Dispenser)	1. Remove a dust and foreign objects on CS11AB, CS21AB, CS31AB and CS41AB sensors. 2. Check the clutch operation (Life test command)
4005D00	Continuously detected 2 notes for three times or more during dispense operation (Cash Dispenser)	1. Check notes' status in the reject box 2. Realign notes in the cassette 3. Check foreign objects at the position of the CS5 Sensor Guide 4. Check if the CS5 cable is disconnected
4005E00	Reserved	
4005F00	Reserved	
4006000	CS31AB sensor is detected as dark after dispense demand of cassette 3	1. Remove the remaining notes at a sensor in front of the CST 2. Realign notes in the cassette 3. Check abnormal clutch. 4. Check abrasion of the cassette box pick unit.
4006100	Something is detected in C31AB sensor before dispensing bills.	Something is detected in C31AB sensor before dispensing bills.
4006200	The remaining notes at the sensor in front of the CST after dispense operation (CS11A, CS11B)	1. Remove the remaining notes at a sensor in front of the CST 2. Realign notes in the cassette

Hyosung Master Error Code List

Error Code	Description	Solution
		3. Check abnormal clutch.
		4. Check abrasion of the cassette box pick unit.
4006300	The remaining notes at the sensor in front of the CST after dispense operation (CS31A, CS31B)	1. Remove the remaining notes at a sensor in front of the CST 2. Realign notes in the cassette 3. Check abnormal clutch. 4. Check abrasion of the cassette box pick unit.
4006400	Reserved for Half-light Test Sensor Error	
4006500	Reserved for Half-light Test Sensor Error	
4006600	Reserved for Half-light Test Sensor Error	
4006700	Reserved for Half-light Test Sensor Error	
4006800	Reserved for Half-light Test Sensor Error	
4006900	Reserved	
4006A00	CS15AB ~ CS13 Time out(Jam) during dispensing bills from second cassette.	1. Remove jammed notes on CDU notes transport path 2. Remove dust in CS15~CS13 sensor 3. Install after rearranging notes in cassette
4006B00	Something is detected on CS31A, CS31B sensor during initialization	1. Remove notes or dust in existence CS31AB Sensor 2. Check CS31AB Sensor Cable 3. Exchange Sensor after abnormal operating CS31AB Sensor
4006c00	Reserved for Half-light Test Sensor Error	
4006d00	Reserved for Half-light Test Sensor Error	
4006E00	Reserved for Half-light Test Sensor Error	
4006f00	Reserved for Half-light Test Sensor Error	
4007000	CS41AB sensor is detected as dark after dispense demand of cassette 4	1. Remove the remaining notes at a sensor in front of the CST 2. Realign notes in the cassette 3. Check abnormal clutch. 4. Check abrasion of the cassette box pick unit.
4007100	Reserved for Half-light Test Sensor Error	
4007200	Something is detected on CS41AB sensor during dispensing bills.	
4007300	The remaining notes at the sensor in front of the CST after dispense operation (CS41A, CS41B)	1. Remove the remaining notes at a sensor in front of the CST 2. Realign notes in the cassette 3. Check abnormal clutch. 4. Check abrasion of the cassette box pick unit.
4007400	Reserved for Half-light Test Sensor Error	
4007500	Reserved for Half-light Test Sensor Error	
4007600	Reserved for Half-light Test Sensor Error	
4007700	Reserved for Half-light Test Sensor Error	
4007800	Reserved for Half-light Test Sensor Error	
4007900	Reserved for Half-light Test Sensor Error	
4007A00	CS31AB ~ CS13 sensors are detected as dark due to time out(Jam) during dispense operation of cassette 4	1. Remove jammed notes on CDU notes transport path 2. Remove dust in CS31AB~CS13 sensor 3. Install after rearranging notes in cassette
4007B00	CS41A or CS41B sensor is detected as dark during initializing operation	
4007C00	4 cassette misfeed error (Separated rejection)	1. Check notes in 4 Cassette 2. Check Sensor(CS36) Poll 3. Check jam in 4 cassette and reload 4. Remove dust in CS41A, CS41B Sensor 5. Exchange 4 cassette box when there are many error

Hyosung Master Error Code List

Error Code	Description	Solution
4007D00	Cassette 4 is not completely mounted into CDU body after dispense demand of cassette 4	
4007E00	Reserved for Half-light Test Sensor Error	
4007f00	Reserved for Half-light Test Sensor Error	
4008000	CS15AB sensor is detected as dark after dispense of cassette 2	1. Remove the remaining notes at a sensor in front of the CST 2. Realign notes in the cassette 3. Check abnormal clutch.4. Check abrasion of the cassette box pick unit.
4008100	Received the wrong shutter command from the upper unit.	1. Check the CDU received command 2. Check the abnormal communication cable. 3. Check the CDU firmware version and refer to specifications.
4008200	Failed to open the CDU shutter (failed ten times retry)	1. Remove foreign objects in the shutter unit. 2. Check the shutter motor connection cable. 3. Check a connection status of the TS004 and TS005 sensor 4. Check the shutter cam operation.
4008300	Reserved for future use.	
4008400	Failed to close the CDU shutter (failed ten times retry)	1. Remove foreign objects in the shutter unit. 2. Check the shutter motor connection cable. 3. Check a connection status of the TS004 and TS005 sensor. 4. Check the shutter cam's rotation operation.
4008500	When the command of CDU shutter open or close is received in case of not being set CDU shutter. (Cash Dispenser)	Change of the information to be set about CDU shutter
4008600	No note available inside the shutter after the collection command	
4008700	Error failed to communicate with CDU shutter (Cash Dispenser)	Change of the information to be set about CDU shutter
4008800	Error occurs when cassette with ID is not mounted (Cash Dispenser)	Check of bill index
4008900	Error occurs when the number of dispensed bills from cassette don't match the number of detection by sensor (Cash Dispenser)	Check of EP program version
4008A00	CS11AB Dark detection on transport path before dispense operation (Cash Dispenser)	1. Remove the remaining notes and foreign objects at the position of the CS11AB sensor 2. Check if the CS11AB sensor cable is disconnected 3. Exchange a sensor after abnormal operating the CS11AB sensor
4008B00	CS21AB Dark detection on transport path before dispense operation (Cash Dispenser)	1. Remove the remaining notes and foreign objects at the position of the CS21AB sensor 2. Check if the CS21AB sensor cable is disconnected 3. Exchange a sensor after abnormal operating the CS21AB sensor
4008C00	CS31AB Dark detection on transport path before dispense operation (Cash Dispenser)	1. Remove the remaining notes and foreign objects at the position of the CS31AB sensor 2. Check if the CS31AB sensor cable is disconnected 3. Exchange a sensor after abnormal operating the CS31AB sensor
4008D00	CS41AB Dark detection on transport path before dispense operation (Cash Dispenser)	1. Remove the remaining notes and foreign objects at the position of the CS41AB sensor 2. Check if the CS41AB sensor cable is disconnected

Hyosung Master Error Code List

Error Code	Description	Solution
		3. Exchange a sensor after abnormal operating the CS41AB sensor
4008E00	CS4B Dark detection on transport path before dispense operation (Cash Dispenser)	1. Remove the remaining notes and foreign objects at the position of the CS4 sensor 2. Check if the CS4 sensor cable is disconnected 3. Exchange a sensor after abnormal operating the CS4 sensor
4008F00	CS13 sensor detects the notes with hole during dispensing.	1. Initialize Cash Dispenser (CDU) 2. Remove the holed note on CS13
4009000	Mismatched number of check sheets	1. Check dispensed check and reject check. 2. Remove a jammed note on the CDU. 3. Remove a dust or foreign objects on the CS13 sensor 4. Exchange a sensor after abnormal operating the CS13 sensor. ※ Reset number of check sheets after troubleshooting.
	Mismatched number of check sheets (Cash Dispenser)	1. Check dispensed check and reject check. 2. Remove a jammed note on the CDU. 3. Remove a dust or foreign objects on the CS13 sensor 4. Exchange a sensor after abnormal operating the CS13 sensor. ※ Reset number of check sheets after troubleshooting.
4009100	Reject error due to check skew during check dispense operation.	1. Check a check's status in the reject box 2. Remove a dust and foreign objects on the CS31AB or CS41AB sensors. 3. Check the CIU Module Print Head. 4. Realign check sheets in the check cassette box. ※ Reset number of check sheets after troubleshooting.
	Reject error due to check skew during check dispense operation. (Cash Dispenser)	1. Check a check's status in the reject box 2. Remove a dust and foreign objects on the CS31AB or CS41AB sensors. 3. Check the CIU Module Print Head.4. Realign check sheets in the check cassette box. ※ Reset number of check sheets after troubleshooting.
4009200	Reject error due to abnormal check interval skew during check dispense operation.	1. Check a check's status in the reject box 2. Remove a dust and foreign objects on the CS31AB or CS41AB sensors. 3. Check the CIU Module Print Head. 4. Realign check sheets in the check cassette box. 5. Clean the pick up roller in the check cassette box. ※ Reset number of check sheets after troubleshooting.
	Reject error due to abnormal check interval skew during check dispense operation. (Cash Dispenser)	1. Check a check's status in the reject box 2. Remove a dust and foreign objects on the CS31AB or CS41AB sensors. 3. Check the CIU Module Print Head. 4. Realign check sheets in the check cassette box. 5. Clean the pick up roller in the check cassette box. ※ Reset number of check sheets after troubleshooting.
4009300	Reject error due to long check sheet during check dispense operation.	1. Check a check's status in the reject box 2. Remove a dust and foreign objects on the CS31AB or CS41AB sensors. 3. Check the CIU Module Print Head. 4. Realign check sheets in the check cassette box. 5. Clean the pick up roller in the check cassette box. ※ Reset number of check sheets after troubleshooting.

Hyosung Master Error Code List

Error Code	Description	Solution
	Reject error due to long check sheet during check dispense operation. (Cash Dispenser)	The same as #40092 handling.
4009400	Reject error due to short check sheet during check dispense operation.	1. Check a check's status in the reject box 2. Remove a dust and foreign objects on the CS31AB or CS41AB sensors. 3. Check the CIU Module Print Head. 4. Realign check sheets in the check cassette box. 5. Clean the pick up roller in the check cassette box. ※ Reset number of check sheets after troubleshooting.
	Reject error due to short check sheet during check dispense operation. (Cash Dispenser)	The same as #40092 handling.
4009500	Reject error due to 2 check sheets' pick up during check dispense operation	The same as #40092 handling.
	Reject error due to 2 check sheets' pick up during check dispense operation	1. Check a check's status in the reject box 2. Remove a dust and foreign objects on the CS31AB or CS41AB sensors. 3. Check the CIU Module Print Head. 4. Realign check sheets in the check cassette box. 5. Clean the pick up roller in the check cassette box. ※ Reset number of check sheets after troubleshooting.
4009600	Reject error due to the abnormal half of check during check dispense operation.	1. Check a check's status in the reject box 2. Remove a dust and foreign objects on the CS31AB or CS41AB sensors. 3. Check the CIU Module Print Head. 4. Realign check sheets in the check cassette box. 5. Clean the pick up roller in the check cassette box. ※ Reset number of check sheets after troubleshooting.
	Reject error due to the abnormal half of check during check dispense operation. (Cash Dispenser)	The same as #40092 handling.
4009700	Reject error due to abnormal check separation interval skew during check dispense operation.	1. Check a check's status in the reject box 2. Remove a dust and foreign objects on the CS31AB or CS41AB sensors. 3. Check the CIU Module Print Head. 4. Realign check sheets in the check cassette box. 5. Clean the pick up roller in the check cassette box. ※ Reset number of check sheets after troubleshooting.
	Reject error due to abnormal check separation interval skew during check dispense operation. (Cash Dispenser)	The same as #40092 handling.
4009800	Abnormal CIU detecting sensor during check dispense operation	1. Clean CS31AB and CS41AB, or remove foreign objects. 2. Check if the FM Board (3 CST or 4 CST) CN3 and CIU Sensor Cable are connected.
	Abnormal CIU detecting sensor during check dispense operation (Cash Dispenser)	1. Clean CS31AB and CS41AB, or remove foreign objects. 2. Check if the FM Board (3 CST or 4 CST) CN3 and CIU Sensor Cable are connected.
4009900	CIU communications response timeout error during check dispense reserved operation or initializing.	1. Reinitialize
		2. Check if the CIU communications serial cable is connected.
		3. Check if the CIU power cable is connected.
4009A00	CS31AB ~ CS13 sensors are detected as dark due to time out(Jam) during dispense operation of	1. Remove jammed notes on CDU notes transport path

Hyosung Master Error Code List

Error Code	Description	Solution
	cassette 3	2. Remove dust in CS31AB~CS13 sensor 3. Install after rearranging notes in cassette
4009B00	Detected the CS31A and CS31B Dark during initializing or dispense reserved operation (Cash Dispenser)	1. Remove the remaining notes and foreign objects at the position of the CS31A and CS31B sensors. 2. Check settings of 3 Cassette FM Board Dip Switch (#2, #4, #6 On) 3. Check if the CS31 and CS31B Sensor Cable are disconnected4. Exchange a sensor after abno
4009C00	Detected the CS31B Dark during initializing or dispense reserved operation (Cash Dispenser)	1. Remove the remaining notes and foreign objects at the position of the CS31B sensor. 2. Check settings of 3 Cassette FM Board Dip Switch (#2, #4, #6 On)3. Check if the CS31B and CS31B sensor cables are disconnected4. Exchange a sensor after abnormal oper
4009D00	Cassette 3 is not completely mounted into CDU body after dispense demand of cassette 3	
4009E00	Mounting/demounting 3rd Cassette during dispense operation (Cash Dispenser)	1. Check notes' status in 3rd Cassette 2. Check 3rd cassette specifications 3. Check if the CS37 sensor cable are disconnected. 4. Exchange a sensor after abnormal operating the CS37 sensor .
4009F00	3 Cassette miss feed during dispense operation (Cash Dispenser)	1. Check the remaining notes in 3 Cassette 2. Check if the remaining note sensor (CS36) of 3 Cassette is normal. 3. Check a jammed note in 3 Cassette or remount it 4. Remove the dust on the CS31A and CS31B Sensors 5. Replace 3 cassette box when multiple error
400A000	Detected the TS103 Dark during command reserved operation. (Cash Dispenser)	1. Remove a jammed note between the retract box and the tray. 2. Check if the TS103 sensor cable is disconnected (CDU B/D CN2 #25~28). 3. Exchange a sensor after abnormal operating TS103 Sensor
400A100	Detected the CS9 Dark in Reject(Retract) box during initializing. (Cash Dispenser)	1. Open the reject/retract box cover 2. Check if the CS9 sensor cable is disconnected. 3. Exchange a sensor after abnormal operating the CS9 sensor
400A200	When a note doesn't arrive from the tray to the throat entrance (CS10AB~CS14 (Delivery Jam)).	1. Remove a jammed note or foreign objects between the throat and the tray 2. Check if the CS10AB and CS14 sensor cable is disconnected. 3. Check the feed motor operation in the throat unit. 4. Exchange a sensor after abnormal operating the CS14 sensor .
400A300	If the shutter cam is not operated while opening or closing the shutter (Cash Dispenser)	1. Check if the shutter cam's involving operation interferes. 2. Check the shutter actuator power cable (CDU B/D CN5 #1~2). 3. Check if the TS005 sensor cable is disconnected (CDU B/D CN3 #14~#16). 4. Exchange a sensor after abnormal operating the TS005 sens
400A400	Failed to move after collection (shutter motor)	
400A500	Reserved for future use	
400A600	Retract box is full or CS56 sensor is a dark	1. Remove all cash in retract box

Hyosung Master Error Code List

Error Code	Description	Solution
	detection (Cash Dispenser)	2. Check if there is dusts or foreign objects around CS56 sensor and remove them 3. Replace the new sensor
400A700	When cam doesn't arrive at dispense position within regulated time (cam error) (Cash Dispenser)	
400A800	When cam doesn't arrive at delivery position within regulated time (cam error)	
400A900	CS53 sensor is detected to dark during initializing, dispensing and delivery operation (Cash Dispenser)	1. Remove a dust or foreign objects on the CS53 sensor 2. Exchange a sensor after abnormal operating the CS53 sensor .
400AA00	Failed during writing EEPROM data (Cash Dispenser)	1. Retry after initialization. 2. Replace the CDU Board.
400AB00	Disable to drive due to the remaining notes in the tray during initializing or dispense reserved operation. (CS10A and CS10B Dark detection) (Cash Dispenser)	1. Remove the remaining notes or foreign objects in the tray. 2. Check if holders on the CS10A and CS10B sensors are bended. 3. If error occurs when checking CS10A/CS10B (CDU B/D CN2 #17~24) disconnection and operation, replace a sensor.
400AC00	CS 53 sensor is detected dark due to bill jam. CS2 sensor is detected as dark after dispense operation	1. Clear bills on transport path on cash dispenser 2. Remove a dust or foreign objects on the CS53 sensor 3. Exchange a sensor after abnormal operating the CS53 sensor .
400AD00	Disable to detect notes in CS15 sensor during delivery operation (Cash Dispenser)	1. Remove the remaining notes on the throat. 2. If error occurs when checking CS15 disconnection and operation, replace a sensor.
400AE00	Any note is not detected by CS 10AB sensor in the tray before delivery or retract operation. (Cash Dispenser)	1. If error occurs when checking CS 10 AB disconnection and operation, replace a sensor. 2. Check the tray deliver position or operation.
400AF00	Received the wrong life test command from the upper unit. (Cash Dispenser)	1. Check the CDU received command 2. Check the abnormal communication cable. 3. Check the CDU firmware version and refer to specifications.
400B000	Opened shutter during dispense operation. (Cash Dispenser)	1. Check the shutter cam's rotation. 2. If error occurs when checking TS004 disconnection and operation, replace a sensor.
400B100	Reserved	
400B200	Reserved	
400B300	Reserved	
400B400	Reserved	
400BA00	CS1 sensor of reject box entrance is detected as dark during initialization or before dispense operation (Cash Dispenser)	1. Check the remaining notes around CS1 sensor 2. Remove the dust or foreign things on the CS1 sensor 3. Replace CS1 sensor when multiple errors occur.
400BB00	Bill jam on CS1 sensor of reject box entrance during dispense operation (Cash Dispenser)	1. Remove the bills in front of entrance of reject box 2. Remove the bills inside reject box
400BC00	Communication error - Command Length doesn't match.	
400BD00	Bill rejection error (Normal recognition for short bill-CS4)	

Hyosung Master Error Code List

Error Code	Description	Solution
400BE00	Bill pickup sensor(CS1, CS15) recognized has a hole and CS4 sensor detects it or CS4 sensor detects the gap too close	
400C100	1 Cassette Jam during dispense operation (1 CST Encoder Error). (Cash Dispenser)	1. Remove a jammed note in 1 Cassette. 2. Mount 1 cassette box after realigning notes in 1 cassette box. 3. Remove foreign objects on 1 Cassette Clutch Encoder Slit. 4. Replace 1 cassette box when multiple errors occur.
400C200	2 Cassette Jam during dispense operation (2 CST Encoder Error).	1. Remove a jammed note in 2 Cassette. 2. Mount 2 cassette box after realigning notes in 1 cassette box. 3. Remove foreign objects on 2 Cassette Clutch Encoder Slit. 4. Replace 2 cassette box when multiple errors occur.
400C300	3 Cassette Jam during dispense operation (3 CST Encoder Error). (Cash Dispenser)	1. Remove a jammed note in 3 Cassette. 2. Mount 3 cassette box after realigning notes in 1 cassette box. 3. Remove foreign objects on 3 Cassette Clutch Encoder Slit. 4. Replace 3 cassette box when multiple errors occur.
400C400	4 Cassette Jam during dispense operation (4 CST Encoder Error).	1. Remove a jammed note in 4 Cassette. 2. Mount 4 cassette box after realigning notes in 1 cassette box. 3. Remove foreign objects on 4 Cassette Clutch Encoder Slit. 4. Replace 4 cassette box when multiple errors occur.
400C6	Detect CS13 during initialization	
400C600	Error of CS 2, CS13 sensor during initialization	1.Remove a jammed note in CS13 sensor. 2.Replace CS13 sensor.
400C700	CS 14 Dark detection during initializing or dispense reserved operation. (Cash Dispenser)	1. Remove the remaining notes and foreign objects at the position of the CS 14 sensor 2. If error occurs when checking CS 14 disconnection and operation, replace a sensor.
400C800	CS 15 Dark detection during initializing or dispense reserved operation. (Cash Dispenser)	1. Remove the remaining notes and foreign objects at the position of the CS 15 sensor 2. If error occurs after checking CS 15 disconnection and operation, replace a sensor.
400c900	CS14 sensor is detected as dark detect during initialize or dispense	
400CA00	CS14 Dark detection during deliver reserved operation.	The same as #400C7 handling
400CB00	CS 15 Dark detection during deliver reserved operation. (Cash Dispenser)	The same as #400C8 handling
400CC00	Bill is remained on the sensor in front of cassette during resetting.	
400cd00	Perceive TS101 Dark after end dispense command	
400ce00	Perceive TS102 Dark after end dispense command	
400cf00	Perceive TS106 Dark after end dispense command	
400CX00	1st~4th Cassette Jam during dispense operation	1.Remove a jammed note in 1st~4th Cassette.

Hyosung Master Error Code List

Error Code	Description	Solution
	(1st~4th CST Encoder Error). (Cash Dispenser)	2. Mount 1st~4th cassette box after realigning notes in 1st~4th cassette box. 3. Remove foreign objects on 1st~4th Cassette Clutch Encoder Slit.
400D000	CS13~CS12 Sensors are detected as dark due to time-out(Jam)	1. Remove jammed notes on CDU notes transport path 2. Remove dust in CS13~CS12 sensor 3. Install after rearranging notes in cassette
400D100	Feeding time out due to jam (CS14~15) around throat assembly during delivery operation (Cash Dispenser)	1. Remove a jammed note in the throat. 2. Check external light source of the CS 15 sensor. 3. Check the feed motor operation in the throat unit . 4. If error occurs when checking CS 14 and CS 15 sensor operation, replace a sensor.
400D200	Feeding time out due to jam (CS10AB) around throat assembly during delivery operation	1. Remove a jammed note in the throat. 2. Check external light source of the CS10 AB sensor. 3. Check the feed motor operation in the throat unit . 4. If error occurs when checking CS10 AB sensor operation, replace a sensor.
400D300	The remaining notes on the tray during delivery operation (some notes remaining on CS10AB)	The same as #400D2 handling.
400D400	The remaining notes on the tray during delivery operation (some notes remaining on CS14) (Cash Dispenser)	1. Remove a jammed note in the tray 2. Check external light source of the CS14 sensor. 3. If error occurs when checking CS14 sensor operation, replace a sensor
400D500	The remaining notes on the tray during delivery operation (some notes remaining on CS10AB) (Cash Dispenser)	The same as #400D2 handling.
400d600	Tray Retract position change failure (Tray Lift Cam ? TS002)	
400d700	Tray sensor Error (TS001, TS002, TS003)	
400D800	CS41A and CS41B Dark detection during initializing or dispense reserved operation	1. Check 4 Cassette specifications for CDU Version. 2. Remove the remaining notes and foreign objects at the position of the CS41A and CS41B sensors. 3. Check if 3 Cassette FM B/D CN2 and 4 Cassette FM B/D CN1 are connected. 4. Check settings of 4 Cassett
400D900	Simultaneous Dark detection in both the tray (CS10) and throat (CS14/CS15).	1. Remove the remaining notes and foreign objects in the tray and throat unit. 2. Check each sensor (refer to the above description).
400da00	Disable to drive due to simultaneous Dark detection in both TS101 and TS102 (Cash Dispenser)	1. Remove the remaining notes and foreign objects in the throat unit. 2. Check each sensor (refer to the above description).
400DB00	Detected the CS41A Dark during initializing or dispense reserved operation (Cash Dispenser)	1. Check 4th Cassette specifications for CDU Version. 2. Remove the remaining notes and foreign objects at the position of the CS41A sensor. 3. Check if 3 Cassette FM B/D CN2 and 4 Cassette FM B/D CN1 are connected. 4. Check settings of 4 Cassette FM Board Dip
400DC00	CS41B Dark detection during initializing or dispense reserved operation	1. Check 4th Cassette specifications for CDU Version. 2. Remove the remaining notes and foreign objects at the position of the CS41B sensor. 3. Check if 3 Cassette FM B/D CN2 and 4 Cassette FM B/D CN1 are connected. 4. Check settings of 4 Cassette FM Board

Hyosung Master Error Code List

Error Code	Description	Solution
400DD00	4th Cassette not available during dispense reserved operation (Cash Dispenser)	1. Mount 4th cassette 2. Check if the CS37 sensor cables are disconnected. 3. Exchange a sensor after abnormal operating the CS47 sensor .
400DE00	Mounting/demounting 4th cassette during dispense operation (Cash Dispenser)	1. Check notes' status in 4th cassette 2. Check 4th cassette specifications 3. If error occurs when checking the CS47's disconnection and operation, replace a sensor.
400DF00	4th Cassette miss feed during dispense operation (Cash Dispenser)	1. Check the remaining notes in 4th Cassette 2. Check if the 4 Cassette remaining note sensor (CS46) is normal. 3. Check a jammed note in 4th Cassette or remount it 4. Remove the dust on the CS41A and CS41B sensors. 5. Replace 4 cassette box when multiple error occurred
400E000	Dark light sensor test error (CS1A, CS1B, CS4A, CS4B) during initializing. (Cash Dispenser)	1. Check if each sensor is mounted. 2. If error occurs when checking CS1A cable operation, replace a sensor. 3. If error occurs when checking CS1B cable operation, replace a sensor. 4. If error occurs when checking CS4A cable operation, replace a sensor. 5. If error occurs when checking CS4B cable operation, replace a sensor.
400E100	Dark light sensor test error (CS13) during initializing. (Cash Dispenser)	1. Check if a sensor is mounted. 2. If error occurs when checking CS13cable operation, replace a sensor.
400E200	Dark light sensor test error (CS21A, CS21B) during initializing. (Cash Dispenser)	1. Check if each sensor is mounted. 2. If error occurs when checking CS21A (cable operation, replace a sensor. 3. If error occurs when checking CS21Bcable operation, replace a sensor.
400E300	Dark light sensor test error (CS31A, CS31B) during initializing. (Cash Dispenser)	1. Check if each sensor is mounted. 2. If error occurs when checking the CS31A or CS31B disconnection operation, replace a sensor.
400E400	DARK LIGHT ERR(CS31A,CS31B)	
400E500	DARK LIGHT ERR(CS52A,CS52B)	
400E600	Dark light sensor test error (CS41A, CS41B) during initializing. (Cash Dispenser)	1. Check the CDU information setting (4th Cassettes). 2. Check if each sensor is mounted. 3. If error occurs when checking the CS41B disconnection operation, replace a sensor. 4. If error occurs when checking the CS41A disconnection operation, replace a sensor.
400E700	Dark light sensor test error (CS10, CS9) during initializing. (Cash Dispenser)	1. Check if each sensor is mounted. 2. If error occurs when checking CS 10 disconnection operation, replace a sensor. 3. If error occurs when checking CS 9 disconnection operation, replace a sensor.
400E800	Time out due to Jam (CS14,CS10) during initializing or retract process. (Cash Dispenser)	1. Check if each sensor is mounted. 2. If error occurs when checking CS14 (CDU B/D CN2 #33~36) disconnection operation, replace a sensor..
400E900	DARK LIGHT ERR(CS70)	
400EA00	Dark light test error of bill empty sensor (CS18,28,38,48) on initializing. (Cash Dispenser)	1. Check if each sensor is mounted. 2. If error occurs when checking CS18 cable operation, replace a sensor.

Hyosung Master Error Code List

Error Code	Description	Solution
		3. If error occurs when checking CS28 cable operation, replace a sensor.
		4. If error occurs when checking CS38 cable operation, replace a sensor.
		5. If error occurs when checking CS48 cable operation, replace a sensor.
400EB00	Not Support Auto Sensor Command	
400EC00	CS4 Sensor Auto-dimming Error	
400ED00	CS10A/CS10B Sensor Auto-dimming Error	
400EE00	CS13 Sensor Auto-dimming Error	
400EF00	CS14 Sensor Auto-dimming Error	
400F000	Disabled to drive due to throat jam during forced initialization. (Cash Dispenser)	Remove the remaining notes and foreign objects in the throat unit.
400f100	Failed the second clear operation in the throat unit during forced initialization. (Cash Dispenser)	Remove the remaining notes and foreign objects in the throat unit.
400f200	The dark detection of CS 15 sensor when bills go back to the retract box during retract mode (Cash Dispenser)	1. Clear the remaining notes and foreign objects at the position of the CS15 sensor 2. Replace a sensor if same situation will happen continuously
400F300	Time out due to Jam (CS15) during initializing or retract process. (Cash Dispenser)	1. Remove the remaining notes and foreign objects at the position of the CS 15 sensor 2. If error occurs after checking CS15 disconnection and operation, replace a sensor. 3. Remove the dust on the CS15 sensor.
400F400	Disable to drive due to continuous CS14~CS10AB Dark during forced initialization or retract operation (jam)	The same as #400F3 handling
400F500	Disable to drive due to continuous CS10 Dark during forced initialization or retract operation (jam) (Cash Dispenser)	The same as #400F3 handling
400F600	Failed to fall down bills during forced initializing and retract operation	1. Remove the remaining notes and foreign objects in the throat unit. 2. If error occurs when checking disconnection operation, replace a sensor.
400F700	Continuously detected note in CS15 during retract operation (Cash Dispenser)	The same as #400F3 handling
400F800	Disabled reserved operation (simultaneously remaining notes in both the tray and throat) (Cash Dispenser)	Remove the remaining notes and foreign objects in the throat unit.
400F900	Some bills are taken out during delivery operation (Cash Dispenser)	
400FA00	Invalid ID of 1st cassette is requested to dispense	
400FB00	Invalid ID of 2nd cassette is requested to dispense	
400FC00	Invalid ID of 3rd cassette is requested to dispense	
400FD00	Invalid ID of 4th cassette is requested to dispense (Cash Dispenser)	Check if the ID sensor of 4th cassette is properly working
400FE00	Bundle reject mode is changed from note by note mode when dispense operation.	
400FF00	Enforcedly remove cash during reserve/retract operation (subnormal exit) (Cash Dispenser)	Check if there is bills on upper transport path.

Hyosung Master Error Code List

Error Code	Description	Solution
400FX00	Invalid ID of 1st~4th cassette is requested to dispense (Cash Dispenser)	Check if the ID sensor of 1st~4th cassette is properly working.
4101000	OUT OF CASH	Replenish notes
4DN0000	Cash Dispenser communication failed during sending command to cash dispenser	1. Do RESET at Operator Function 2. Reboot ATM
4DN0100	Cash Dispenser communication failed during receiving command to cash dispenser	1. Do RESET at Operator Function 2. Reboot ATM
4DN0F00	No response detected after sending command	Check cable and connection between the CE and dispenser.
4DN1100	No response detected after 3 retries of sending command	Check cable and connection between the CE and dispenser.
4DN1200	No response detected between ENQ-ACK after 5 retries of ENQ	Check cable and connection between the CE and dispense.
4DN1300	No response detected after 5 retries because of timeout between STX-BCC interval	Check cable and connection between the CE and dispenser.
4DN8100	Communication error of Shutter	
7000100	It's impossible to read the version after transferring to the CduSetup menu.	
7000200	It's impossible to read the version after CDU Setup.	
7000300	User's setting values are different from the actual written setting value.	
7710801	RMS Agent Request Time Out!	Try again. If the problem reoccurs, call your service personnel.
7710891	Host line fail	Inconsistent with the message of Host
8215091	BILL FOUND !!! Cash jammed on Cash Dispenser. CASH exist!!! Detection of cash low. MCU EXIST. Card in card reader. PBM EXIST. Found Envelope !!!	1. Remove jammed notes on Cash Dispenser return path 2. Remove dust in CS1~CS4 sensor. Remove card. Clear notes in the transporter of the cash dispenser.
8216091	CASH exist. Cash jammed on Cash Dispenser.	Remove jammed cash on Cash Dispenser.
8217091	MCU EXIST. Card in card reader.	Remove jammed card on card reader.
8218091	PBM EXIST.	Remove jammed passbook on pssbook printer.
8219091	Found Envelope !!!	Remove jammed envelope on depository.
8850191	Host Message Receive Error	Inquire your service provider.
9000100	No normal data detected from card reader. This does not mean a real error necessarily.	
9000200	Card Read Error	1. Check Magnetic Card 2. Check Card Read module and cable connection.
9000300	DIP MCR latch failure	1. Power Off/On 2. Check DIP MCR (Clamp Lever) 3. Check cable connection
9000400	DIP MCR unlatch failure	1. Power Off/On 2. Check DIP MCR (Clamp Lever) 3. Check cable connection.
9000500	DIP MCR power on failure	1. Power Off/On 2. Check DIP MCR 3. Check cable connection.
9000600	DIP MCR power off failure	1. Power Off/On 2. Check DIP MCR 3. Check cable connection.
93A7110	A Card stay on Enterance	1. Remove the card 2. Reset Device before execute the command
9701010	Failed to connect communication between SP of PIN and EP of one	Check if communication cable or com port is not connected
9701011	Error on receiving data from OPL.	1. Check whether the cable is connected or not

Hyosung Master Error Code List

Error Code	Description	Solution
		2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9701012	Failed to deliver to data of EPP's SP	1.Check if communication cable or com port is not connected
9701013	Error on closing connection to OPL.	1. Check whether the cable is connected or not
9701013		2 .SP Close and Open(Take the Log for failure)
9701013		3. Restart the system
9701016	Received data time out of EPP	1.Check if communication cable or com port is not connected
9701017	When the EPP Com port communication failed (Time Out)	1. Check communication cable and start rebooting
9701020	Error on creating files for OPL	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9701021	Error on reading data from files for OPL.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9701022	Error on writing data to files for OPL.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9701023	Error on closing files for OPL.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9701024	Error on deleting files for OPL.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9701025	Error on copying files for OPL.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9701030	Error on creating registries for OPL	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9701031	Pinpad (EPP) configuration data reading error Failed to read Register of EPP	1. Reboot ATM 2. Re-install software
9701032	Error on writing data to registries for OPL.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9701034	Error on deleting registries for OPL.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9701040	Failed to produce Thread for pinpad (EPP)	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9701043	Error on closing sub-process, thread for OPL.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9701050	Error on creating process for OPL.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9701053	Error on closing process for OPL.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9701060	Failed to create buffer for pinpad (EPP)	1. Reboot ATM2. Re-install software
9701061	Error on reading data from memory space for OPL.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9701062	Error on writing data to memory space for OPL.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9701063	Error on closing memory space for OPL.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9701068	MapView of File Fail in Create ShareMemory Method for EPP	1. Initialize Pin SP. 2. Call your attendant
9701070	Create Mutex Fail for EPP. Create Mutex Fail for SIU(Sensor)	1. Window Rebooting
9701073	Error on closing synchronization for OPL.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9701076	Error on waiting for synchronization for OPL.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9701080	Error on creating event for OPL.	1 .SP Close and Open(Take the Log for failure)

Hyosung Master Error Code List

Error Code	Description	Solution
		2. Restart the system
9701086	Error on waiting for event for OPL.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9701102	COM handle is null for SIU(Sensor). COM handle is null for EPP	1. Initialize Pin SP. 2. Call your attendant
9701111	BCC error of EPP. BCC error on PIN pad data. BCC error on PIN pad data. BCC error of EPP	1. Check BCC logic of EPP Check BCC logic of EPP
9701150	Pinpad (EPP) is down when it receives an 'Initializing' command. PIN pad down when initialized.	1. Reboot ATM2. Replace pinpad
9701151	EPP is down when it receivesan 'Get Status' command	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9701152	Pinpad (EPP) is down when it receives an 'Clear Func Key' command	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9701199	PINPAD device is out of order (Self test failure)	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
97011E0	Fail to download firmware - No firmware file	1. Check whether there is a firmware file 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
97011E1	Fail to download firmware - Execution failure	1. Check whether there is a firmware file 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9702010	Failed to connect device	Check whether the USB port is connected or not.
9702012	Failed to capture Image	Check whether the USB port is connected or not.
9702020	Failed to create file(CamData is NULL)	Check whether the parameter when function is called from Application
9702040	Failed to create Thread	Check whether the USB port is connected or not.
9704010	Failure on connecting to SPL through DCP card.	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704011	Failure on receiving data from SPL	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704012	Failure on sending data to SPL.	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704013	Failure on closing the connection with SPL.	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704014	Failure on connecting to DCP card.	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704016	Time out before receiving data from SPL.	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704017	Time out before sending data to SPL.	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704018	DCP memory for SPL error	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system

Hyosung Master Error Code List

Error Code	Description	Solution
9704019	Communication error with SPL.	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
970401D	Failed to connect to SPL (Cash Dispenser)	Check if PncComm.dll and ComMonitor.exe files are available
9704020	Failed to create file	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704021	Error on reading files for SPL.	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704022	Failed to write file	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704023	Error on closing files for SPL.	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704025	Error on copying files for SPL.	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704030	Error on creating registries for SPL	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704031	Error on reading data from registries for SPL	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704032	Error on writing data to registries for SPL	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704034	Error on deleting registries for SPL	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704040	Error on creating sub-process, thread for SPL	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704043	Error on closing sub-process, thread for SPL	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704050	Error on creating process for SPL	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704053	Error on closing process for SPL	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704058	Error on Admin Password for SPL	Retry with correct Admin Password
9704060	Error on creating memory space for SPL	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704061	Error on reading data from memory space for SPL	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704062	Error on writing data to memory space for SPL	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704063	Error on closing memory space for SPL	1. Check whether the cable is connected or not

Hyosung Master Error Code List

Error Code	Description	Solution
		2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704068	Error on memory address for SPL	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704070	Error on creating synchronization for SPL	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704073	Error on closing synchronization for SPL	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704076	Error on waiting for synchronization for SPL	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704080	Error on creating event for SPL	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704086	Error on waiting for event for SPL	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704087	Failed to send command to the device	Check if simulator process are alive or not.
9704100	Failed to connect polling or timeout	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704101	Failed to connect polling or line error	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704102	Time out during sending data to SPL.	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704103	Time out before closing connection to SPL successfully.	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9704104	Failed to close polling or line error	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9707012	Failed to receive data of VFD	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9707082	Failed the message transmission for the fire event for VFD ex) After connection is closed, an event for the previous command is arrived.	It is a software error. On AP logic, check the event for the command executed before closing connection.
9708013	Failed to read Com port number registry	Check the serial port, cable, or reset the unit to recover. It it is not recovered, replace main board or the unit.
9708014	Failed to open communication port	Check the serial port, cable, or reset the unit to recover. It it is not recovered, replace main board or the unit.
9708030	Failed to create Registry	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9708031	Failed to read Registry	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9708032	Failed to write Registry	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9708034	Failed to delete Registry	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9708101	Failed to be enable Device	1 .SP Close and Open(Take the Log for failure)

Hyosung Master Error Code List

Error Code	Description	Solution
		2. Restart the system
9708102	Failed to be disable Device	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9708103	Failed to read data	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9709011	Receiving error from MCR through serial port.	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9709012	(VFD)Serial Port Comm Receive Time Out	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9709016	Receiving data time out from MCR through serial port.	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9709050	MCR Open connection failure because of process creation failure.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9709080	MCR Open Connection failure because of event creation failure.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
970E010	Fail to open USB port for PINPAD	Check if communication cable and USB port are connected or not.
970E012	Fail to send data to PINPAD	Check if communication cable and USB port are connected or not.
970E016	Fail to receive data from PINPAD	Check if communication cable and USB port are connected or not.
970E017	Time out to communicate with PINPAD	Check if communication cable and USB port are connected or not.
970E040	Fail to create thread for communication with PINPAD	Check if communication cable and USB port are connected or not.
970t014	Serial communication error	1. Check the comport line(whether it is connected or not) 2. If (1) was not a problem, reboot ATM
970t040	Failure of creating thread	Reboot ATM
970t080	Failure of creating Event	Reboot ATM
9712000	Unable to create INI file (Cash Dispenser)	1. Reboot ATM 2. Reinstall software 3. Replace hard disk drive
9712100	Failed to read file	1. Reboot ATM 2. Reinstall software 3. Replace hard disk drive
9712200	Failed to write file	1. Reboot ATM 2. Reinstall software 3. Replace hard disk drive
9712300	Failed to close file	1. Reboot ATM 2. Reinstall software 3. Replace hard disk drive
9712400	Failed to delete file	1. Reboot ATM 2. Reinstall software 3. Replace hard disk drive
9712500	Failed to copy file	1. Reboot ATM 2. Reinstall software 3. Replace hard disk drive
9712600	Failed to create directory	1. Reboot ATM 2. Reinstall software 3. Replace hard disk drive
9712X00	Failed file	1. Reboot ATM 2. Reinstall software

Hyosung Master Error Code List

Error Code	Description	Solution
		3. Replace hard disk drive
9719000	Failed to execute an extra command in the status of Cash Unit Exchange	1. Reboot ATM 2. Reinstall software 3. Replace hard disk drive
9719100	In case of not being the status of Cash Unit Exchange out of End Exchange	1. Reboot ATM 2. Reinstall software 3. Replace hard disk drive
9719200	In case of carrying out Cash In Start commandat two times	1. Reboot ATM 2. Reinstall software 3. Replace hard disk drive
9719300	In case of not being the status of Cash Inout of End Cash In	1. Reboot ATM 2. Reinstall software 3. Replace hard disk drive
9719400	Invalid Cash Unit ID	1. Reconfigure cash dispenser setup data
9719500	Invalid Cash Unit number	1. Reconfigure cash dispenser setup data
9719600	The abnormal of the number of Cash Unit	1. Reconfigure cash dispenser setup data
9719700	No. of dispensed notes that softwarecounts is not matched to it cash dispenser responded	1. Initialize after resetting the power 2. Upgrade the Cash Dispenser firmware or download software again 3. Replace the Cash Dispenser B/D
9719800	In case two ID are same in cassette (Cash Dispenser)	1. Reboot ATM 2. Reinstall software 3. Replace hard disk drive
971A000	In case the dispensed denominations are different from the requested ones. (Cash Dispenser)	Reconfigure denomination at supervisor mode
971A100	In case the dispensed currency is different from the requested one. (Cash Dispenser)	1. Reconfigure currency at supervisor mode
971A200	Can't dispense the number of bills requested from the customer. 1. There is no cassette to dispense the bill 2. Reject bin is missing or full.	1. Check the status of Cash cassette mounting 2. Replenish the cassette with bill again. Or reset the number of bill. 3. Check whether the reject bin is mounted. Or clear the reject bin. 4. Check the value of Registry ("WFS_CMD_CDM_DENOMINATE" or "WFS_CMD_CDM_DESPENSE")
971A300	In case the number of bills dispensed exceeds the maximum dispensing bill	1. Check cash dispenser driver (CDM SP) version 2. Reconfigure the maximum dispensable count
971A400	In case the number of coins dispensed exceeds the maximum dispensing coin	1. Check coin dispenser driver version 2. Reconfigure the maximum dispensable count
971A500	Invalid mix number	Reconfigure cash dispenser at supervisor mode
971A600	Failed to retry 3 times for automatic recovery	Need to re-configure a state of SP cash unit on AP - by START/END_EXCHANGE command
971A700	There is no setting information about automatic Retry standard	Need to re-configure a state of SP cash unit on AP - by START/END_EXCHANGE command
971B000	No notes in stacker during rejecting or retracting notes	1. Check a dust in stacker 2. Reconfigure the maximum dispensable count
971C000	In case that unsupported command is executed (Cash Dispenser)	Reinstall software
971D100	Partial dispense from cassette #1	1. Check the replenished amount and replenish 2. Check the notes in cassette #1
971D200	Partial dispense from cassette #2	1. Check the replenished amount and replenish 2. Check the notes in cassette #2
971D300	Partial dispense from cassette #3	1. Check the replenished amount and replenish

Hyosung Master Error Code List

Error Code	Description	Solution
		2. Check the notes in cassette #3
971DX00	Partial dispense (In case partial bills dispensed by dispensing demand when Partial Dispense option is on. X means cassette number.)	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9720000	Communicate fail during opening printer driver (PTR SP)	Check if communication cable or com port is not connected
9720100	Hardware error occurred before executing command (Receipt Printer)	Reset the PTR SP
9721010	Failed to connect communication	Check if communication cable is properly connected or right status by test machine
9721011	Failure on receiving data from journal printer.	Check if communication cable is properly connected or right status by test machine
9721012	Failed to deliver data to control electronics	Check if communication cable is properly connected or right status by test machine
9721013	Failure on disconnecting journal printer.	Check if communication cable is properly connected or right status by test machine
9721014	Error on connecting to DCP card.	Reset the unit and try again
9721016	Failed to receive data from control electronics	Check if communication cable is properly connected or right status by test machine
9721017	Time out before sending data completely to journal printer.	Reset the unit and try again
9721018	Memory error on memory space of DCP card.	1. Reboot ATM 2. Call your attendant
9721019	Communication failure to/from journal printer.	Check if communication cable is properly connected or right status by test machine
9721020	Error on creating files for journal printer.	1. Reboot ATM 2. Call your attendant
9721021	Error on reading data from files for journal printer.	1. Reboot ATM 2. Call your attendant
9721022	Error on writing data to files for journal printer.	1. Reboot ATM 2. Call your attendant
9721023	Error on closing files for journal printer.	1. Reboot ATM 2. Call your attendant
9721024	Error on deleting files for journal printer.	1. Reboot ATM 2. Call your attendant
9721025	Error on copying files for journal printer.	1. Reboot ATM 2. Call your attendant
9721030	Error on creating registries for journal printer.	1. Reboot ATM 2. Call your attendant
9721031	Error on reading data from registries for journal printer.	1. Reboot ATM 2. Call your attendant
9721032	Error on writing data to registries for journal printer.	1. Reboot ATM 2. Call your attendant
9721034	Error on deleting registries for journal printer.	1. Reboot ATM 2. Call your attendant
9721040	Failed to produce Thread (Journal Printer)	1. Reboot ATM 2. Call your attendant
9721043	Error on closing sub process, thread for journal printer.	1. Reboot ATM 2. Call your attendant
9721050	Error on creating process for journal printer.	1. Reboot ATM 2. Call your attendant
9721053	Error on closing process for journal printer.	1. Reboot ATM 2. Call your attendant
9721060	Error on specifying memory space for journal printer.	1. Reboot ATM 2. Call your attendant

Hyosung Master Error Code List

Error Code	Description	Solution
9721061	Error on reading data from memory space for journal printer.	1. Reboot ATM 2. Call your attendant
9721062	Error on writing data to memory space for journal printer.	1. Reboot ATM 2. Call your attendant
9721063	Error on closing memory space for journal printer.	1. Reboot ATM 2. Call your attendant
9721068	Error on memory address for journal printer.	1. Reboot ATM 2. Call your attendant
9721070	Error on creating synchronization for journal printer	1. Reboot ATM 2. Call your attendant
9721073	Error on closing synchronization for journal printer.	1. Reboot ATM 2. Call your attendant
9721076	Error on waiting synchronization for journal printer.	1. Reboot ATM 2. Call your attendant
9721080	Failed to produce Event (Journal Printer)	1. Reboot ATM 2. Call your attendant
9721086	Error on waiting for event for journal printer.	1. Reboot ATM 2. Call your attendant
9721102	Error on starting emboss printing at journal printer.	1. Reboot ATM 2. Call your attendant
9721111	Off line status (Journal Printer)	1. Check communication cable and the connectors 2. Check power connection
9721112	On busy	1. Check printer's working status
9721121	Mechanics Error (Journal Printer)	1. Recover printer's mechanical Error 2. Reboot ATM
9721122	Failed to response of first initialization (Journal Printer)	1. Try to initialize Printer again.
9721123	Failed to response of second initialization	1. Reboot ATM 2. Replace printer
9721124	Paper jammed	1. Remove jammed paper
9721125	Failed to try to print in case of Paper out	
9722000	1. SPR file open error 2. SPR Memory allocation error(PrintForm Allocation Index Buffer Error) 3. Invalid media name	1. Reboot ATM 2. Call your attendant
9722010	Communicate fail during opening printer driver (PTR SP)	1. Check if communication cable or com port is not connected
9722011	Failed to receive the data from the control electronics (Receipt Printer)	Check if communication cable or com port is properly connected
9722012	Failed to send the data to the control electronics (Receipt Printer)	Check if communication cable or com port is properly connected
9722013	Failed to disconnect the connection between receipt printer and control electronics (Receipt Printer)	Check if communication cable or com port is properly connected
9722014	Failed to connect the DCP card in control electronics (Receipt Printer)	Check if communication cable or com port is properly connected
9722016	The time-over of receiving data (Receipt Printer)	1. Check if communication cable or com port is properly connected. 2. reboot ATM.
9722017	The time-over of sending data (Receipt Printer)	1. Check if communication cable or com port is properly connected. 2. reboot ATM.
9722018	Invalid memory of DCP card in control electronics (Receipt Printer)	Check if communication cable or com port is properly connected
9722019	Communication error (Receipt Printer)	Check if communication cable or com port is properly connected
9722020	File Open Error	1. Reboot ATM 2. Call your attendant
9722021	Failed to read file (Receipt Printer)	1. Reboot ATM

Hyosung Master Error Code List

Error Code	Description	Solution
		2. Call your attendant
9722022	Failed to write file (Receipt Printer)	1. Reboot ATM 2. Call your attendant
9722023	Failed to close file (Receipt Printer)	1. Reboot ATM 2. Call your attendant
9722024	Failed to delete file (Receipt Printer)	1. Reboot ATM 2. Call your attendant
9722025	Failed to copy file (Receipt Printer)	1. Reboot ATM 2. Call your attendant
972202X	Fail to Read/Write/Delete/Copy file (Receipt Printer).	1. Reboot ATM 2. Call your attendant
9722030	Failed to create Registry (Receipt Printer)	1. Reboot ATM 2. Call your attendant
9722031	Failed to read Registry (Receipt Printer)	1. Reboot ATM 2. Call your attendant
9722032	Failed to write Registry (Receipt Printer)	1. Reboot ATM 2. Call your attendant
9722034	Failed to delete file (Receipt Printer)	1. Reboot ATM 2. Call your attendant
972203X	Fail to Create/Read/Write/Close/Delete/Copy Registry (Receipt Printer).	1. Reboot ATM 2. Call your attendant
9722040	Failed to create Thread (Receipt Printer)	1. Reboot ATM 2. Call your attendant
9722043	Failed to terminate Thread (Receipt Printer)	1. Reboot ATM 2. Call your attendant
9722050	Failed to create Process (Receipt Printer)	1. Reboot ATM 2. Call your attendant
9722053	Failed to terminate Process (Receipt Printer)	1. Reboot ATM 2. Call your attendant
9722060	Memory Allocate Error (PrintForm Allocate IndexBuffer Fail)	1. Check Form file and Media file
9722061	Failed to read Memory (Receipt Printer)	1. Reboot ATM 2. Call your attendant
9722062	Failed to write Memory (Receipt Printer)	1. Reboot ATM 2. Call your attendant
9722063	Failed to close Memory (Receipt Printer)	1. Reboot ATM 2. Call your attendant
9722068	Invalid Media Name	1. Reboot ATM 2. Call your attendant
972206X	Fail to Create/Read/Write/Close Memory (Receipt Printer)	1. Reboot ATM 2. Call your attendant
9722070	Failed to create Mutex (Receipt Printer)	1. Reboot ATM 2. Call your attendant
9722073	Failed to release Mutex (Receipt Printer)	1. Reboot ATM 2. Call your attendant
9722076	Failed to wait time out Mutex (Receipt Printer)	1. Reboot ATM 2. Call your attendant
9722080	Failed to create Event (Receipt Printer)	1. Reboot ATM 2. Call your attendant
9722086	Failed to wait time out Event (Receipt Printer)	1. Reboot ATM 2. Call your attendant
9722100	1. Invalid Unit (SPR) 2. Form is not found (SPR) 3. Form name is null. (SPR) 4. Invalid form. (roll printer can't align bottom line.) (SPR) 5. PrintForm() offset is invalid. (SPR) 6. Invalid form	1. reinstall SPR SP. 2. Call your attendant.
9722101	Failed to execute StartDoc	1. Reboot ATM.

Hyosung Master Error Code List

Error Code	Description	Solution
		2. Call your attendant.
9722102	Failed to execute StartPage	1. Reboot ATM. 2. Call your attendant.
9722103	Failed to execute EndPage	1. Reboot ATM. 2. Call your attendant.
9722104	Failed to execute EndDoc	1. Reboot ATM. 2. Call your attendant.
97221A2	Invalid Unit	1. Check Form file and Media file
97221C1	Form is not Found	1. Check Form file and Media file
97221C4	Form name is NULL	1. Check Form file and Media file
97221C5	Invalid Form	1. Check Form file and Media file
97221C6	PrintForm() offset is Invalid	1. Check Form file and Media file
97221C7	Invalid Form(Too many Fields is Invalid)	1. Check Form file and Media file
97221CX	Form Invalid	1. Reboot ATM 2. Call your attendant.
97221D1	Media is not Found	1. Check Form file and Media file
97221D3	Media Overflow when form size is larger than media size	1. Reboot ATM 2. Call your attendant.
97221D4	Media name is NULL	1. Check Form file and Media file
97221D5	Invalid Media (Attribute for Media definition is not proper)	1. Reboot ATM 2. Call your attendant.
97221D6	Invalid Media (Area size is bigger than Media size) (Receipt Printer)	1. Reboot ATM 2. Call your attendant.
97221D7	Invalid Media (Size of Media Name is exceeded to 2048 bytes totally)	1. Reboot ATM 2. Call your attendant.
97221DX	Media Invalid	1. Reboot ATM 2. Call your attendant.
97221E1	Field is not Found	1. Reboot ATM 2. Call your attendant.
97221E2	Field Error (This Field must have initial value)	1. Reboot ATM 2. Call your attendant.
97221E3	Non-Indexed value for Indexed Field	1. Check Form file and Media file
97221E4	Invalid Field	1. Reboot ATM 2. Call your attendant.
97221E5	Invalid Field(This Field's width is 0)	1. Check Form file and Media file
97221EX	Field Invalid	1. Reboot ATM 2. Call your attendant.
9722211	Software Error in case of creating an image. (Data size error)	
9722DN0	Failed to connect communication between Receipt printer and SP	1. Check if communication cable or com port is not connected
9723010	Failed to open device	1. Reboot ATM 2. Test with diagnostics in supervisor mode 3. Check communication cable and connectors of card reader 4. Check card reader driver version
9723011	Fail to read card track data.	Check whether the communication cable and USB port are connected or not.
9723012	Failed to read EP version.	Check whether the communication cable and USB port are connected or not.
9723013	DCP failed closing the connection to card reader.	Check whether the communication cable and USB port are connected or not.
9723014	USB port is detached.	Check whether the communication cable and USB port are connected or not.
9723016	Response time out error	Check the cable/port/connection
9723017	Time out for sending data to card reader.	Check the cable/port/connection

Hyosung Master Error Code List

Error Code	Description	Solution
9723018	Card is hung up at Entrance	1 Remove the card by hand
9723019	Polling down	1. Reboot ATM
		2. Test with diagnostics in supervisor mode
		3. Check communication cable and connectors of card reader
		4. Check card reader driver version
9723020	Error on creating files for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723021	Error on reading files from card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723022	Error on writing files for card reader	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723023	Error on closing files for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723024	Error on deleting files for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723025	Error on copying files for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723026	Reserved	
9723027	Reserved	
9723028	Reserved	
9723029	Reserved	
9723030	Error on creating registry for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723031	Error on writing data to registry for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723032	Error on writing data to registry for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723034	Error on deleting registry for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723035	Reserved	
9723036	Reserved	
9723037	Reserved	
9723038	Reserved	
9723039	Reserved	
9723040	Fail to create sensor polling thread.	Restart IDC service provider.
9723041	Reserved	
9723042	Reserved	
9723043	Error on closing sub-process, thread for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723044	Reserved	
9723045	Reserved	
9723046	Reserved	
9723047	Reserved	
9723048	Reserved	
9723049	Reserved	
9723050	Error on opening process for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723051	Reserved	
9723052	Reserved	
9723053	Error on closing process for card reader	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723054	Reserved	
9723055	Reserved	
9723056	Reserved	
9723057	Reserved	

Hyosung Master Error Code List

Error Code	Description	Solution
9723058	Reserved	
9723059	Reserved	
9723060	Error on creating memory space for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723061	Error on reading from memory for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723062	Error on writing to memory for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723063	Error on closing memory space for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723064	Reserved	
9723065	Reserved	
9723066	Reserved	
9723067	Reserved	
9723068	Error related memory address for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723069	Reserved	
9723070	Error on creating synchronization for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723071	Reserved	
9723072	Reserved	
9723073	Error on waiting synchronization for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723074	Reserved	
9723075	Reserved	
9723076	Error on waiting synchronization for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723077	Reserved	
9723078	Reserved	
9723079	Reserved	
9723080	Error on opening event for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723081	Reserved	
9723082	Reserved	
9723083	Reserved	
9723084	Reserved	
9723085	Reserved	
9723086	Error on waiting event for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723087	Reserved	
9723088	Reserved	
9723089	Reserved	
9723101	Error on specifying folder for card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723110	Time out during card inserting.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723111	Time out before sending data completely to card reader.	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9723112	Time out on DCP polling.	Check the cable/port/connection
9723113	Time out before closing DCP.	Check the cable/port/connection
9723114	Failure on closing DCP.	Check the cable/port/connection
9723116	Error on data received from card reader as data size is '0'.	Check the cable/port/connection
9723117	Error on data received from card reader as NACK is received.	Check the cable/port/connection

Hyosung Master Error Code List

Error Code	Description	Solution
9723120	Fail to execute WFS_CMD_IDC_READ_RAW_DATA command because card is hung up	
9723200	Retain bin is full	
9730100	IC CARD DENIAL	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9730200	IC CARD ONLINE DATA ERROR	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9730300	IC CARD ERROR	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9740000	Cash Dispenser communication failed during COM port open	1. Check whether the cable is connected or not 2. .SP Close and Open(Take the Log for failure) 3. Restart the system
9740010	Fail to open port (Cash Dispenser)	1. Check whether the cable is connected or not 2. .SP Close and Open(Take the Log for failure) 3. Restart the system
9740012	Send Timeout	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9740016	Receive Timeout	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9740017	Send flag = 'D' Timeout	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9740019	An electrical circuit disorder	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9740020	Failed to create file	1. Reboot ATM 2. Call your attendant
9740025	Failed to copy file	1. Reboot ATM 2. Call your attendant
9740030	Invalid registry key concerning date (Cash Dispenser)	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9740031	Invalid date to print check to be dispensed (Cash Dispenser)	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9740050	ComMonitor Load error (ComMonitor Process creation failed)	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9740061	Share Memory Creation Failed	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9740068	Share Memory Pointer Failed	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
97400FF	In case of remaining cash in transport (Cash Dispenser)	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9740101	In case of being selected cassette not dispensed (Cash Dispenser)	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9740102	Denomination not to exist in currencyinfo.ini file is tried to dispense (Cash Dispenser)	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9741100	When sensing CS2 Dark (Error code, 400FF00 is subdivided by location of sensor.)	1. Initialize after mounting the reject box. 2. Check if the CS2 sensor cable is disconnected. 3. Exchange a sensor after abnormal operating CS2 sensor
9741400	When sensing CS4A Dark (Error code, 400FF00 is subdivided by location of sensor.)	1. Remove the remaining notes and foreign objects at the position of the CS4A sensor. 2. Check if the CS4A sensor cable is disconnected. 3. Exchange a sensor after abnormal operating the CS4A sensor
9741800	When sensing CS4B Dark (Error code, 400FF00 is subdivided by location of sensor.)	1. Remove the remaining notes and foreign objects at the position of the CS4B sensor.

Hyosung Master Error Code List

Error Code	Description	Solution
		2. Check if the CS4B sensor cable is disconnected. 3. Exchange a sensor after abnormal operating the CS4B sensor
9742100	When sensing CS11A,B Dark (Error code, 400FF00 is subdivided by location of sensor.)	1. Remove the remaining notes and foreign objects at the position of the CS11A,B sensor. 2. Check if the CS11A,B sensor cable is disconnected. 3. Exchange a sensor after abnormal operating the CS11A,B sensor
9742300	Dark light sensor error (CS11A, CS11B) during idle status of cash dispenser	1. SP Close and Open(Take the Log for failure) 2. Restart the system
9742800	When sensing CS13 Dark (Error code, 97400FF is subdivided by location of sensor.)	1. Remove the remaining notes and foreign objects at the position of the CS13 sensor. 2. Check if the CS13 sensor cable is disconnected. 3. Exchange a sensor after abnormal operating the CS13 sensor
9743B00	When sensing CS15A,B Dark (Error code, 400FF00 is subdivided by location of sensor.)	1. Remove notes or dust in existence CS15A,B sensor. 2. Check CS15A,B sensor cable. 3. Exchange sensor after abnormal operating CS15A,B sensor
9743F00	Dark light sensor error (CS21A, CS21B) during idle status of cash dispenser	1. SP Close and Open(Take the Log for failure) 2. Restart the system
9744600	There is no File when EP is DL mode -> It is necessary to download Firmware to recover in case of DL mode	Copy a file to download and SP Close and Open
9744700	Cash picking-up fail while cash in cassette #1is enough	1. Check bill jam or no note in cassette #1 2. Check cash dispenser
9745500	System power off while dispensing	1. Restart the system 2. Send reject command
9745B00	CST2 Pick failed in OK(healthy) state	1. Check the remaining notes in 2 cassette. 2. Check if the remaining note sensor (CS16) is normal. 3. Check a jammed note in 2 cassette or remount it. 4. Remove the dust on the CS21A and CS21B sensors. 5. Replace @ cassette box when multiple error occurs
9746B00	When sensing CS31A, B Dark (Error code, 400FF00 is subdivided by location of sensor.)	1. Remove notes or dust in existence CS31A,B sensor. 2. Check CS31A,B sensor cable. 3. Exchange sensor after abnormal operating CS31A,B sensor
	When sensing CS41A, B Dark (Error code, 400FF00 is subdivided by location of sensor.)	1. Remove notes or dust in existence CS41A,B sensor. 2. Check CS41A,B sensor cable. 3. Exchange sensor after abnormal operating CS41A,B sensor
9747C00	Failure on picking up note from 4th. cassette when enough notes are still remained.	1. Check bill jam or no note in cassette #4 2. Check cash dispenser
9749B00	Dark light sensor error (CS31A, CS31B) during idle status of cash dispenser	1. SP Close and Open(Take the Log for failure) 2. Restart the system
9749F00	Cash picking-up fail while cash in cassette #3is enough	1. Check bill jam or no note in cassette #3 2. Check cash dispenser
974AA00	Failed to download EP	Try it again and Check the file
974B100	First data of Barcode is not one of 1,5,9(received uncertain barcode) 1XXXXXX: for Retail 5XXXXXX: for Gift Card 9XXXXXX: for Free Gift	Make sure that a gift card in casseete is valid(check the type of a gift card)
974B200	Undefined Amount of a gift card Code(received uncertain barcode) - Third data of Barcode: 1: 5,000 won 2: 10,000 won 3: 30,000 won 4:	Make sure that a gift card in casseete is valid

Hyosung Master Error Code List

Error Code	Description	Solution
	50.000 won 5: 70.000 won 6: 100.000 won 7:	(check amount of a gift card)
974B300	Barcode Data Error (Error on each data separator)	Check the barcode reader
974B400	Discord between dispensed count and Barcode data count	Check the barcode reader and connection
974B500	Discord between requested amount and Barcode amount of a dispensed gift card	Check amount of a gift card and compare amount set by cassette
974B600	Failed to write Registry of Barcode data	1. SP Close and Open(Take the Log for failure) 2. Restart the system
974BA00	When sensing CS1 Dark (Error code, 97400FF is subdivided by location of sensor.)	1. Remove the remaining notes and foreign objects at the position of the CS1 sensor. 2. Check if the CS1 sensor cable is disconnected. 3. Exchange a sensor after abnormal operating the CS1 sensor
974D800	Dark light sensor error (CS41A, CS41B) during idle status of cash dispenser	1. SP Close and Open(Take the Log for failure) 2. Restart the system
974FF00	When sensing bills in the Stacker (Error code, 400FF00 is subdivided by location of sensor.)	1. Remove the remaining notes and foreign objects at the position of the stacker sensor. 2. Check if the stacker sensor cable is disconnected. 3. Exchange a sensor after abnormal operating the stacker sensor
9750010	DCP failed to start polling	1. Check whether the cable is connected or not 2. SP Close and Open(Take the Log for failure) 3. Restart the system
9750011	DCP failed to receive data	1. Check whether the cable is connected or not 2. SP Close and Open(Take the Log for failure) 3. Restart the system
9750012	DCP failed to send data	1. Check whether the cable is connected or not 2. SP Close and Open(Take the Log for failure) 3. Restart the system
9750013	DCP failed to disconnect the connection	1. Check whether the cable is connected or not 2. SP Close and Open(Take the Log for failure) 3. Restart the system
9750014	Error on USB Communication	Check if USB cable is connected properly.
9750016	DCP Receiving data time out	1. Check whether the cable is connected or not 2. SP Close and Open(Take the Log for failure) 3. Restart the system
9750017	DCP Sending data time out	1. Check whether the cable is connected or not 2. SP Close and Open(Take the Log for failure) 3. Restart the system
9750018	DCP error on shared memory	1. SP Close and Open(Take the Log for failure) 2. Restart the system
9750019	DCP Communication failure	1. Check whether the cable is connected or not 2. SP Close and Open(Take the Log for failure) 3. Restart the system
975001A	DCP Driver Open Fail	1. Check whether the cable is connected or not 2. SP Close and Open(Take the Log for failure) 3. Restart the system
975001B	DCP MAP Memory Fail	1. SP Close and Open(Take the Log for failure) 2. Restart the system
975001C	DCP Driver Invalid	1. SP Close and Open(Take the Log for failure) 2. Restart the system
975001D	DCP Service Connect Fail	1. Check whether the cable is connected or not 2. SP Close and Open(Take the Log for failure) 3. Restart the system

Hyosung Master Error Code List

Error Code	Description	Solution
975001E	DCP Service Open Fail	1. Check whether the cable is connected or not 2. .SP Close and Open(Take the Log for failure) 3. Restart the system
975001F	DCP Service Status Query Fail	1. Check whether the cable is connected or not 2. .SP Close and Open(Take the Log for failure) 3. Restart the system
975001G	DCP Service Start Time Out	1. Check whether the cable is connected or not 2. .SP Close and Open(Take the Log for failure) 3. Restart the system
975001H	DCP Service Start Fail	1. Check whether the cable is connected or not 2. .SP Close and Open(Take the Log for failure) 3. Restart the system
975001I	DCP Driver Handle Invalid	1. Check whether the cable is connected or not 2. .SP Close and Open(Take the Log for failure) 3. Restart the system
975001J	DCP RW MAP Memory Fail	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
975001K	DCP Bin File Open Fail	1. .SP Close and Open(Take the Log for failure) 2. Restart the system 3. Check the Bin file whether there is in that folder or not
975001L	DCP Bin File Read Fail	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
975001M	DCP Bin File Size Invalid	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
975001N	DCP Card Reset Fail	1. Check whether the cable is connected or not 2. .SP Close and Open(Take the Log for failure) 3. Restart the system
975001O	DCP Card Reset Time Out	1. Check whether the cable is connected or not 2. .SP Close and Open(Take the Log for failure) 3. Restart the system
975001P	DCP Service Connect Time Out	1. Check whether the cable is connected or not 2. .SP Close and Open(Take the Log for failure) 3. Restart the system
9750020	Failed to open file	1. Reboot ATM. 2. Call your attendant.
9750021	Failed to read data from file	1. Reboot ATM. 2. Call your attendant.
9750022	Failed to write file	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9750023	Failed to close file	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9750024	Failed to delete file	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9750025	Failed to copy file	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9750030	Failed to create Registry	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9750031	Failed to read Registry	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9750032	Failed to write Registry	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9750034	Failed to delete Registry	1. .SP Close and Open(Take the Log for failure) 2. Restart the system
9750040	A4_USB_SP: Error on creating Process	1. Reboot ATM.

Hyosung Master Error Code List

Error Code	Description	Solution
	A4_PAR_SP: Error on creating Thread	2. Call your attendant.
9750043	Failed to end Thread	1. SP Close and Open(Take the Log for failure) 2. Restart the system
9750050	Failed to create Process	1. SP Close and Open(Take the Log for failure) 2. Restart the system
9750053	Failed to terminate Process	1. SP Close and Open(Take the Log for failure) 2. Restart the system
9750060	Memory Allocate Error	1. SP Close and Open(Take the Log for failure) 2. Restart the system
9750061	Failed to read Memory	1. SP Close and Open(Take the Log for failure) 2. Restart the system
9750062	Failed to write Memory	1. SP Close and Open(Take the Log for failure) 2. Restart the system
9750063	Failed to delete Memory	1. SP Close and Open(Take the Log for failure) 2. Restart the system
9750068	Error related memory address	1. SP Close and Open(Take the Log for failure) 2. Restart the system
9750070	A4_USB_SP: Error on creating mutex A4_PAR_SP: Error on creating synchronization	1. Reboot ATM. 2. Call your attendant.
9750073	A4_USB_SP: Error on deleting mutex A4_PAR_SP: Error on deleting synchronization	1. Reboot ATM. 2. Call your attendant.
9750076	A4_USB_SP: Time out mutex A4_PAR_SP: Error on waiting synchronization	1. Reboot ATM. 2. Call your attendant.
9750080	Failed to create Event	1. SP Close and Open(Take the Log for failure) 2. Restart the system
9750086	Failed to wait time out Event	1. SP Close and Open(Take the Log for failure) 2. Restart the system
9750101	A4_USB_SP: Error on allocating memory A4_PAR_SP: Failed to execute StartDoc	1. Reboot ATM. 2. Call your attendant.
9750102	A4_USB_SP: Time out Operation A4_PAR_SP: Failed to execute StartPage	1. Reboot ATM. 2. Call your attendant.
9750103	A4_USB_SP: Invalid response A4_PAR_SP: Failed to execute EndPage	1. Check if USB cable is connected properly. 2. Re-start SP Process.
9750104	A4_USB_SP: passing wrong parameter from AP A4_PAR_SP: Failed to execute EndDoc	1. Set correct parameter . 2. Reboot ATM.
9750105	STALL was occurred (USB)	1. Check if USB cable is connected properly. 2. Reboot ATM.
9750106	A4_USB_SP: Error on USB Communication(No response) A4_PAR_SP: Failed to execute GetDefaults	1. Check if USB cable is connected properly. 2. Reboot ATM.
9750107	A4_USB_SP: Error on USB Communication(Discord between Send MI and Receive MI) A4_PAR_SP: Failed to execute OpenPrinter	1. Check if USB cable is connected properly. 2. Reboot ATM.
9762010	Failed to open device	Check the serial port, cable, or reset the unit to recover. If it is not recovered, replace main board or the unit.
9762014	Failed to communicate with the unit and the control electronics	Invalid pointer
9762018	Reserved	
9762020	Failed to create file	1. SP Close and Open(Take the Log for failure) 2. Restart the system
9762021	Failed to read file	1. SP Close and Open(Take the Log for failure) 2. Restart the system
9762022	Failed to write file	1. SP Close and Open(Take the Log for failure) 2. Restart the system
9762023	Failed to close file	1. SP Close and Open(Take the Log for failure)

Hyosung Master Error Code List

Error Code	Description	Solution
		2. Restart the system
9762024	Failed to delete file	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9762025	Failed to copy file	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9762030	Failed to create Registry	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9762031	Failed to read Registry	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9762032	Failed to write Registry	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9762034	Failed to delete Registry	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9762040	Failed to create Thread	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9762043	Failed to end Thread	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9762080	Failed to create Event	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9762086	Waiting time out Event	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9762100	No support command	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9762101	Failed to dispense	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9762102	Not dispensable condition (Dispensing number of coins is over remain coin counts or negative number or mismatching)	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9762103	Dispensing number of coins is over maximum counts	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9762104	Dispensing number of coins is over maximum dispensable counts	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9762105	Mix type mismatching	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9762106	Error of accepting coins	Remove jam or reset
9762107	Error of dispensing coins	Remove jam or reset
9762108	Error of remaining set information	Reset counts
9770010	Failed to open serial port	Check if communication cable or com port is not connected
9770011	Failed to receive data	Check if communication cable or com port is not connected
9770012	Failed to send data	Check if communication cable or com port is not connected
9770013	Failed to close serial port	Check if communication cable or com port is not connected
9770016	Timeout of receiving data .	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9770017	Timeout of sending data	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9770030	Failed to create Registry	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9770031	Failed to read Registry	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9770032	Failed to write Registry	
9770034	Failed to delete Registry	1 .SP Close and Open(Take the Log for failure)

Hyosung Master Error Code List

Error Code	Description	Solution
		2. Restart the system
9770040	Failed to create Thread	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9770043	Failed to close Thread	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9770050	Failed to create ComMonitor4WBA.exe	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9770060	Failed to create shared memory	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9770111	Bill Acceptor, The wrong order thrans	1 .SP Close and Open(Take the Log for failure) 2. Restart the system
9770121	Failed to read currency (there is no currency defined)	1. Check whether the cable is connected or not 2 .SP Close and Open(Take the Log for failure) 3. Restart the system
9770122	Called the accept() method without being set direction to accept bill	Set the bill direction using Direction() method
9770123	Called the accept() method without being set denomination to accept bill	Set the bill denomination using Enable() method
9770124	Set the unsuitable denominations in commanding Enable(), Disable() method	After checking the currency, proper denomination is set
9770125	Set the unsuitable direction in commanding Direction() method	Set the proper direction
9770150	Called the Method such as Direction(), Enable(), Disable() without being initializing	Execute Method command after initializing
9770191	Bill Acceptor, Failed to Surrender of a Note	After the Withdrawal of Notes, operation initialization
9770192	Bill Acceptor, A bill Stack Failed	After the Withdrawal of Notes, operation initialization
9780010	USB Port Open Fail	Check whether the USB port is connected or not.
9780011	USB Port Disconnection in Accept	Check whether the USB port is connected or not.
9780012	USB Port Detach	Check whether the USB port is connected or not.
9780013	USB Port Close Fail	Check whether the USB port is connected or not.
9780040	Create Thread Fail	Reboot the system
9780050	Loading Carrecker DLL Fail	SP Close and Open
9780051	Loading TIFF Dll Fail	SP Close and Open
9780052	Creating(Saving) Check Image Fail	SP Close and Open
9780091	Scan Start Fail	Call Reset function
9780092	Read MICR Fail	Call Reset function
9780093	Read Image Raw Fail	Call Reset function
9780094	Satck Fail	Call Reset function
9780095	Endorser Fail	Call Reset function
9780096	Device reset Fail	SP Close and Open
9780097	Wrong Position in Stack	Reject the check and Insert the check in right position
9780098	Media Jammed in Stack	Check media in Stack
9781010	Fail to connect device.	Check whether the communication cable is connected or not.
9781011	Fail to capture fingerprint with device error.	Check whether the device is normal or not.
9781018	Fail to get fingerprint data from device.	Check whether the device is normal or not.
9781020	Fail to open file or directory.	Check "FingerImage.bmp" file or path that have the file
9781022	Fail to write file.	Check whether the directory can write file or not
9781040	AcquireFinger function is already running.	Wait until earlier function is finished
9781050	Fingerprint window is not available.	Check the "IsNoWindow" registry option's value
9781058	Fail to load image convert module.	Check the system memory
9791@99	Lock Timeover.	1. Reboot ATM 2. Call your attendant.
97911XX	DEV_JPR Timeover Error Code	1. Reboot ATM 2. Call your attendant.

Hyosung Master Error Code List

Error Code	Description	Solution
97912XX	DEV_SPR Timeover Error Code	1. Reboot ATM 2. Call your attendant.
97913XX	DEV_MCU Timeover Error Code	1. Reboot ATM 2. Call your attendant.
97914XX	DEV_Cash Dispenser Timeover Error Code	1. Reboot ATM 2. Call your attendant.
97915XX	DEV_BRM Timeover Error Code	1. Reboot ATM 2. Call your attendant.
97916XX	DEV_PBM Timeover Error Code	1. Reboot ATM 2. Call your attendant.
97918XX	DEV_PIN Timeover Error Code	1. Reboot ATM 2. Call your attendant.
9791AXX	DEV_FNG Timeover Error Code	1. Reboot ATM 2. Call your attendant.
9791BXX	DEV_VFD Timeover Error Code	1. Reboot ATM 2. Call your attendant.
97921XX	DEV_JPR FATALERROR (WARNING)	1. Reboot ATM 2. Call your attendant.
97922XX	DEV_SPR FATALERROR (WARNING)	1. Reboot ATM 2. Call your attendant.
97923XX	DEV_MCU FATALERROR (WARNING)	1. Reboot ATM 2. Call your attendant.
97924XX	DEV_Cash Dispenser FATALERROR (WARNING)	1. Reboot ATM 2. Call your attendant.
97925XX	DEV_BRM FATALERROR (WARNING)	1. Reboot ATM 2. Call your attendant.
97926XX	DEV_PBM FATALERROR (WARNING)	1. Reboot ATM 2. Call your attendant.
97928XX	DEV_PIN FATALERROR (WARNING)	1. Reboot ATM 2. Call your attendant.
9792AXX	DEV_FNG FATALERROR (WARNING)	1. Reboot ATM 2. Call your attendant.
9792BXX	DEV_VFD FATALERROR (WARNING)	1. Reboot ATM 2. Call your attendant.
9792EXX	[MWI] Fatal Error occurred while MWI was performing the last command.	1. Reboot ATM 2. Call your attendant.
9799200	SPR error!!!	SPR device fatal status
9799300	MCU error!!!	MCU device fatal status
9799301	MCU RETRACT OVER	1. Clear the count of retracted card at OP mode
9799400	CASH error!!!	CDU device fatal status
9799495	CASH CURRENCY ID AUTO RECOVERED !!!	No action
9799499	DISPENSER COUNT ERROR	1. Check the sensor on cash dispenser
9799601	PBM RETRACT OVER	Remove the retracted passbook in PBM retract box. Then execute reset operation.
9799901	DOOR CHECK	1. Reboot ATM 2. Call your attendant.
9799902	LIGHT ERROR	1. Reboot ATM 2. Call your attendant.
9799903	SPL ERROR	1. Reboot ATM 2. Call your attendant.
9799904	PIN ERROR	1. Reboot ATM 2. Call your attendant.
9799905	SENSOR CHECK	1. Reboot ATM 2. Call your attendant.
9799906	CAMERA CHECK !!!	Check the camera modules

Hyosung Master Error Code List

Error Code	Description	Solution
9799907	UPS ERROR	1. Reboot ATM 2. Call your attendant.
9799908	SCREEN ERROR	1. Reboot ATM 2. Call your attendant.
9799909	VFD CHECK !!!	Check the communication cable or connector of VFD.
97B0000	Internal error!	Reboot ATM
97B000D	BNA are not in proper position	Remounting BNA with proper position
97B00DN	The device is offline!	Check the cable
97BBCBC	Installed inappropriate BC version.	Check the BC Version
97BEEEE	The device is inoperable because it is internally not configured	1. Check whether the cable is connected or not 2. SP Close and Open(Take the Log for failure) 3. Restart the system
97C0100	Fail to image operation	1. SP Close and Open(Take the Log for failure) 2. Restart the system
97C0140	Fail to create sensor polling thread	1. SP Close and Open(Take the Log for failure) 2. Restart the system
97C1200	Fail to ep download	1. Check whether the cable is connected or not 2. SP Close and Open(Take the Log for failure) 3. Restart the system
97C3000	The device has been removed from its normal operating position	1. Check whether the cable is connected or not 2. SP Close and Open(Take the Log for failure) 3. Restart the system
97CDN10	Fail to USB communication	1. Check whether the cable is connected or not 2. SP Close and Open(Take the Log for failure) 3. Restart the system
97M0011	Money Order Printer, Device not connected	1. Check whether the cable is connected or not 2. SP Close and Open(Take the Log for failure) 3. Restart the system
97M0013	Money Order Printer, Failed to send command	1. SP Close and Open(Take the Log for failure) 2. Restart the system
97M0014	Money Order Printer, Failed to receive reply	1. SP Close and Open(Take the Log for failure) 2. Restart the system
97M0016	Money Order Printer, Reply Timeout	1. SP Close and Open(Take the Log for failure) 2. Restart the system
97M0018	Money Order Printer, Failed to open port	1. SP Close and Open(Take the Log for failure) 2. Restart the system
97M001C	Money Order Printer, Invalid command	1. SP Close and Open(Take the Log for failure) 2. Restart the system
97M001D	Money Order Printer, Software error	1. SP Close and Open(Take the Log for failure) 2. Restart the system
97M001E	Money Order Printer, Command executed before loading form	1. Check the form file 2. SP Close and Open(Take the Log for failure) 3. Restart the system
97M001F	Money Order Printer, Invalid form or Invalid data	1. Check the form file 2. SP Close and Open(Take the Log for failure) 3. Restart the system
97M0100	Error on processing Image	Reboot the system
97M0140	CHK Sensor Polling Thread is Abnormal.	Please Reboot the System.
97M1200	Error on Downloading EP	Reboot the system
97M4000	The transport is opened	Check the state of 1/2 transport
97MDN10	Error on USB communication	Check whether the USB port is connected or not.
97MDN40	Error on Sensor Polling Thread	Reboot the system
97t0010	Failed to open the port.	OS malfunction/Power Off/On
97t0014	EDU : Communication Error	Check the connection of communication cable
97t0040	EDU : Error in creating the boot process	OS malfunction / Power Off/On

Hyosung Master Error Code List

Error Code	Description	Solution
97t0080	EDU : Event creation error	OS malfunction / Power Off/On
9900000	Card Dispenser, A given command code is unidentified	
9900001	Card Dispenser, Parameter is not correct	
9900003	Card Dispenser, Command execution is impossible	
9900004	Card Dispenser, Command data error	
9900020	Card Dispenser, Read Error (Parity Error)	
9900021	Card Dispenser, Read Error (Other)	
9900023	Card Dispenser, Read Error (Only SS-ES-LRC)	
9900024	Card Dispenser, Read Error (no encode and/or no magnetic stripe)	
9900026	Card Dispenser, Read Error (No SS)	
9900027	Card Dispenser, Read Error (No ES)	
9900028	Card Dispenser, Read Error (LRC error)	
99000A0	Card Dispenser, The card does not exist at the hopper	
99000A1	Card Dispenser, There is a card at the lead line	
99000A5	Card Dispenser, The card jams at the hopper	
99000A6	Card Dispenser, The hopping kicker could not return to the home position	
99000B0	Card Dispenser, Not Received initialize command	
991@@91	ON TRANSACTION POWER OFF	1. Check power supply 2. Check backup battery
9999999	UNKNOWN ERROR	
9E11200	Failed to connect communication between SP of PIN and EP of one	Check if communication cable or com port is not connected
9E13100	Received data time out of EPP	Check if communication cable or com port is not connected
9E13200	Failed to deliver to data of EPP's SP	Check if communication cable or com port is not connected
9E41A00	Failed to produce Thread of EPP	Restart ATM
9EA6100	PIN Pad Self test error	Replace PIN Pad device
9EA6200	Failed to download firmware (no firmware file)	Check if firmware file is correct or not
9EA6300	Failed to download firmware (failure during downloading)	Replace PIN Pad device
9EA6400	BCC error of EPP	Replace PIN Pad device
A001100	Lever open detect before command	
A001200	Printer thermal head over heated before command	
A001300	Paper jam before command	
A001400	Paper setting error before command	
A001500	Paper check error before command	
A001800	Cutter S/W check error before command	
A008100	Lever open detect in doing command	
A008200	Printer thermal head over heated in doing command	
A008300	Paper jam in doing command	
A008400	Paper setting error in doing command	
A008500	Paper check error in doing command	
A008800	Cutter S/W check error in doing command	
A010100	Detecting the lever opened before executing command.	Close the feed lever.

Hyosung Master Error Code List

Error Code	Description	Solution
A010200	Printer thermal head overheated while executing command	Check the thermal printer head and change if necessary.
A010300	Paper jam detected before executing command	Remove any jammed paper from the printer.Remove any jammed paper from the printer.
A010400	Paper setting error detected before executing command	Remove and re-install the receipt paper.
A010500	Paper check error detected before executing command	Remove and re-install the receipt paper.
A010600	Offline error Offline mode is engaged(Mis-handling)	
A010700	Remaining paper error Insufficient paper	
A010800	Paper cutter software check error detected before executing command	Check for and remove any jammed paper.
A010900	Failed to detect B/M Black marker sensor detection fails(Abnormal Mecha) Only when B/M is available	
A010A00	TPH overheat TPH overheat(Abnormal H/W)	
A080100	Detecting the lever opened before executing command.	Remove any jammed paper.
A080200	Receipt printer head overheated while printing	Check the thermal printer head and change if necessary.
A080300	Paper jam detected while executing command	Remove and re-install the receipt paper.
A080400	Paper setting error detected before executing command	Remove and re-install the receipt paper.
A080500	Paper check error in doing command	Remove any jammed paper.
A080600	Offline error Offline mode is engaged(Mis-handling)	
A080700	Remaining paper error Insufficient paper	
A080800	Paper cutter software check error detected while executing command	Check for and remove any jammed paper.
A080900	Failed to detect B/M Back marker sensor detection fails(Abnormal Mecha) Only when B/M is available	
A080A00	Image Data Size Error	
A110100	Solenoid echo error (Retraction solenoid pull direction echo check Error while receipt paper Initializing)	
A110200	Solenoid echo error (Retraction solenoid release direction echo check Error while receipt paper Initializing)	
A110300	Cutter regular position error while receipt paper Initializing	
A110400	No paper on SS2 before cutting while receipt paper Initializing	1. Open upper part lever of return road and printer lever
		2. Remove receipt paper roll
		3. Cut without fold and neatly end of receipt paper
		4. Reset receipt paper roll
A110700	Fail paper retraction while receipt paper Initializing	1. Open upper part lever of return road
		2. Remove receipt paper between upper guides
		3. Lift up upper guide and close
A110900	u-switch open while receipt paper Initializing	1. Close upper guide
A111000	No paper in paper perception sensor(SS3) while receipt paper Initializing	1. Set receipt paper
A111100	Overheating detect in THP head while receipt paper Initializing	

Hyosung Master Error Code List

Error Code	Description	Solution
A111200	Fail Black Mark detection before cutting while receipt paper Initializing	1. Open upper part lever of return road and printer lever
		2. Remove receipt paper roll
		3. Check position of black mark (on lower 1/4 part of receipt paper)
		4. Reset receipt paper roll
A111300	TPH-switch open while receipt paper Initializing	1. Close printer lever
A111700	SPR connector the detection which is not connected while receipt paper Initializing	
A111900	TPH connector the detection which is not connected while receipt Paper Initializing	
A112100	Paper retraction fail in Discharge gate while receipt paper Initializing	1. Open upper part lever of return road
		2. Remove receipt paper between upper guides
		3. Lift up upper guide and close
A112200	Paper retraction fail in reject gate while receipt paper Initializing	1. Reset receipt paper
A112300	Paper retraction fail in reject gate while receipt paper Initializing	
A121000	Paper perception sensor(SS3) not detected paper before receipt paper	1. Close printer lever
A121100	Printing Overheating detect in TPH while receipt paper printing	
A121300	Receipt paper jam error occurred during ejecting the receipt paper after print	1. Remove the receipt paper jam.
		2. Reset the receipt paper roll.
A130300	Cutter regular position error in cut command	1. Open upper part lever of return road and printer lever
		2. Remove receipt paper roll
		3. Check position of black mark (on lower 1/4 part of receipt paper)
		4. Reset receipt paper roll
A130400	Regular position sensor(SS2) detect no paper after receipt paper cutting	1. Open upper part lever of return road
		2. Remove receipt paper between upper guides
		3. Lift up upper guide and close
A130500	SS2 detect no paper before cutting	
A130600	Black Mark Sensor detection fail before cutting	
A140500	Regular position sensor(SS2) detect paper after receipt paper discharging	
A150700	Regular position sensor(SS2) detect paper while receipt paper retracting	
A150800	Regular position sensor(SS2) not detected paper inside the proper hour while receipt paper retracting	
A222200	The image is not black-white mode while its transmission period	
a720000	Not defined error	
ADN0100	No response detected for 30 seconds after sending command	Check cable and connection between the CE and printer.
ADN0F00	No response detected for 30 seconds after sending command	Check cable and connection between the CE and printer.
ADN1000	No Response for 30 seconds after send command	
ADN1100	No response detected after 3 retries	Check cable and connection between the CE and printer.
ADN1200	No response detected between ENQ-ACK after 5 retries of ENQ	Check the cable and connection between the CE and printer.

Hyosung Master Error Code List

Error Code	Description	Solution
ADN1300	No response detected after 5 retries because of timeout between STX-BCC interval	Check cable and connection between the CE and printer.
ADNXX00	Receipt printer connection failure	1. Check if communication cable between the Control Electronics and the Slip Printer is cut or the connector is wrongly inserted. 2. Check communiation logic of the Control Electronics and the Slip Printer board. 3. Check if the CPU of the Slip Printer board
AXXX100	The feed lever of the receipt printer is open. It was detected that the feed lever was open while the receipt printer was operating.	1. Remove receipts and close the feed lever. 2. Check if the micro switch of the feed lever normally operates. 3. Check if cable of the micro switch of the feed lever is cut or the connector is wrongly inserted.
AXXX200	The thermal head of the receipt printer is overheated (before the receipt printer starts to operate).	1. Check and replace the terminal printer head. 2. Check logic related to TPH of the Slip Printer board.
AXXX300	Receipt paper jam A jam error occurred while the receipt printer operates.	1. Remove paper jam and paper scraps. 2. Check the lever operatio position in the sensor. 3. Check if the sensor is polluted. 4. Check if cable is cut or the connector is wrongly inserted. 5. Check logic related to jam detection in the Slip Printer board.
AXXX400	Receipt paper is empty. It was detected that paper was empty while the receipt printer was operating (when the paper empty sensor detected the light).	1. Fill paper. 2. Check the lever operation position in the sensor. 3. Check if cable is cut or the connector is wrongly inserted. 4. Check logic related to the paper empty sensor in the Slip Printer board.
AXXX500	Receipt paper setting error Jam and miss-feeding are detected during receipt paper is loaded. -> This error occurs when the setting sensor detects a dark part.	1. Remove paper jam and reload. 2. Check the level oepration position in the jam sensor. 3. Check if cable is cut or the connector is wrongly inserted (in the jam sensor). 4. Check logic related to the jam sensor. 5. Check if the return motor is operatin
AXXX600	During the test in the offline mode of the Slip Printer	Turn off and on the Slip Printer.
Axxx700	Receipt Printer Lever Opened	Check lever sensor, cable connection and connector
AXXX800	Receipt paper cutting error Receipt paper cutting failed.	1. Remove paper jam. 2. Check if the cutter properly rotates and the swtich normally functions. 3. Check if cable is cut or the connector is wrongly inserted. 4. Check logic rlated to the cutter of the Slip Printer board.
B000100	Expanded Flash Memory error	Replace CE mainboard.
B430000	Bill Acceptor, Stacker full	
B440000	Bill Acceptor, Stacker open	
B450000	Bill Acceptor, Jam in acceptor	
B460000	Bill Acceptor, Jam in stacker	
B470000	Bill Acceptor, Pause conveying	Change bill acceptor device.
B490000	Bill Acceptor, Device Execution failed	

Hyosung Master Error Code List

Error Code	Description	Solution
B49A200	Bill Acceptor, Failed to operate normally the stack motor	Change bill acceptor device.
B49A500	Bill Acceptor, Failed to maintain normally the speed of transport motor	Change bill acceptor device.
B49A600	Bill Acceptor, Failed to operate normally the transport motor	Change bill acceptor device.
B49AB00	Bill Acceptor, Cash box not ready	Set cash box.
B49AF00	Bill Acceptor, Validator head remove	Change bill acceptor device.
B49B000	Bill Acceptor, Failed to boot ROM	Change bill acceptor device.
B49B100	Bill Acceptor, Failed to operate normally the external ROM	Change bill acceptor device.
B49B200	Bill Acceptor, Failed to operate normally ROM	Change bill acceptor device.
B49B300	Bill Acceptor, Failed to write the external ROM	Change bill acceptor device.
B700200	Failed to operate REJECT STAGE DOWN.	Reset the device after checking reject bin
B700300	Failed to operate REJECT STAGE UP.	Reset the device after checking reject bin
B700400	The error of REJECT STAGE sensor.	Reset the device after checking reject bin
B700500	Reject → Failed to Bundle operation.	Reset the device after checking reject bin
B700600	Reject → Failed to Bundle operation.	Reset the device after checking reject bin
B700700	Failed to enter the Reject part.	Reset the device after checking reject bin
B700800	Failed to enter the Reject part.	Reset the device after checking reject bin
B701000	Reject → Failed to Bundle operation.	Reset the device after checking reject bin
B810100	The cash are remained before/after operating Escrow.	Reset the device after checking Escrow
B810200	Escrow detects Tape End.	Reset the device after checking Escrow
B811100	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B811200	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B812100	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B812200	Detecting Tape Start during operating Escrow Rewind.	Reset the device after checking Escrow
B813100	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B813200	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B820100	The notes are remained before/after operating Escrow .	Reset the device after checking Escrow
B820200	Escrow detects Tape End.	Reset the device after checking Escrow
B820300	Escrow detects notes full.	Reset the device after checking Escrow
B820400	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B820500	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B821100	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B821200	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B821300	Escrow detects Tape End.	Reset the device after checking Escrow
B821400	Escrow detects notes full.	Reset the device after checking Escrow
B830100	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B830200	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow

Hyosung Master Error Code List

Error Code	Description	Solution
B830300	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B830400	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B831100	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B831200	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B831300	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B831400	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B840000	Failed to detect the Escrow Tape.	Reset the device after checking Escrow
B840100	Failed to detect the Escrow Tape.	Reset the device after checking Escrow
B850000	Failed to detect the Escrow Tape.	Reset the device after checking Escrow
B850100	Failed to detect the Escrow Tape.	Reset the device after checking Escrow
B860100	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B860200	Failed to detect the Escrow Tape.	Reset the device after checking Escrow
B871100	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B871200	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B871500	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B871600	Failed to detect the Escrow Tape.	Reset the device after checking Escrow
B880000	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B880100	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B890100	Failed to detect the Escrow Tape.	Reset the device after checking Escrow
B890200	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B890300	The notes are remained before/after operating Escrow.	Reset the device after checking Escrow
B900100	The delivering roller with low-speed failed to operate upward/downward.	Reset the device after checking Bundle
B900200	The delivering part with low-speed failed to operate upward or failed to recovery operation.	Reset the device after checking Bundle
B900300	The delivering part with low-speed fails to operate downward or failed to recovery operation.	Reset the device after checking Bundle
B900400	The error of shutter sensor.	Reset the device after checking Bundle
B900500	Failed to operate shutter open.	Reset the device after checking Bundle
B900600	Failed to operate shutter close.	Reset the device after checking Bundle
B900700	The error of Bill press Roller operation.	Reset the device after checking Bundle
B900800	The error of Bill press delivering position.	Reset the device after checking Bundle
B900900	The error of Bill Press separation position.	Reset the device after checking Bundle
B900A00	The error of Bill press are remained position.	Reset the device after checking Bundle
B900B00	The error of Bill press reject position.	Reset the device after checking Bundle
B900C00	Failed to finish operating during MODUSI pick-up-Back(BDS08, BDS09).	Reset the device after checking Bundle
B900D00	The notes are remained after Bundle operating.	Reset the device after checking Bundle
B900E00	Failed to feed the notes.	Reset the device after checking Bundle

Hyosung Master Error Code List

Error Code	Description	Solution
B900F00	Failed to move to the position of separating the notes.	Reset the device after checking Bundle
B901000	Failed to separate the notes.	Reset the device after checking Bundle
B901100	Failed to separate the notes, or the notes are remained.	Reset the device after checking Bundle
B901500	Failed to make a retry during separating.	Reset the device after checking Bundle
B901600	Failed to separate the notes, or the notes are remained.	Reset the device after checking Bundle
B901700	Reject → Failed to finish delivering the bundle note.	Reset the device after checking Bundle
B901A00	Reject → Failed to finish delivering the bundle note.	Reset the device after checking Bundle
B909100	Failed to separate the notes.	Reset the device after checking Bundle
BA01000	The transport is open(BNS111 Sensor).	Reset the device after checking transport
BA10100	Failed to do Cassette init.	Reset the device after checking cassette
BA10300	Failed to do Escrow init.	Reset the device
BA10500	Failed to do Escrow MODE Set.	Reset the device
BA10900	Failed to do BNA init.	Reset the device
BA11100	Failed to do Reject init.	Reset the device
BA11300	Failed to do Bundle init.	Reset the device
BA11500	Failed to do Escrow Mode Set.	Reset the device
BA11700	Failed to do Escrow Mode Set.	Reset the device
BA11800	Failed to separate the notes.	Reset the device
BA11900	Failed to separate the notes.	Reset the device
BA12100	Failed to do Bundle init.	Reset the device
BA12300	Reject → Failed to finish delivering the bundle note.	Reset the device
BA13000	The error of the Motor operation.	Reset the device
BA13100	The error of the Motor operation.	Reset the device
BA13500	The error of the Motor operation.	Reset the device
BA1B000	BNA BC entrance error	Reinitialization
BA1B100	BNA BC cover open detect	Reinitialization
BA1B200	BNA BC CIS1 error	Reinitialization
BA1B300	BNA BC CIS2 error	Reinitialization
BA1B400	BNA BC MR sensor error	Reinitialization
BA1B500	BNA BC UV sensor error	Reinitialization
BA1B600	BNA BC Double sensor error	Reinitialization
BA1B700	BNA BC S_ERROR	Reinitialization
BA1B800	BNA BC country set error	Reinitialization
BA1B900	BNA BC mode set error	Reinitialization
BA1BA00	BNA BC version read fail	Reinitialization
BA1BB00	BNA BC index set error	Reinitialization
BA1BC00	Failed to set BC Index infomation.	Reboot the system!
BA20100	Failed to operate shutter open.	Reset the device
BA20200	Failed to operate shutter open.	Reset the device
BA21100	Failed to operate shutter close.	Reset the device
BA30100	Failed to do ready-operation.	Reset the device
BA31100	Failed to do ready-operation.	Reset the device
BA31600	Failed to do ready-operation.	Reset the device
BA32100	Failed to do ready-operation.	Reset the device
BA40100	Failed to do ready-operation (Cassette).	Reset the device
BA40200	Failed to do ready-operation (Escrow).	Reset the device
BA40300	Failed to do ready-operation (Reject).	Reset the device
BA40400	Failed to do ready-operation (Bundle).	Reset the device
BA40500	Failed to do ready-operation.	Reset the device

Hyosung Master Error Code List

Error Code	Description	Solution
BA41100	Failed to do ready-operation (Cassette).	Reset the device
BA41200	Failed to do ready-operation (Escrow).	Reset the device
BA41300	Failed to do ready-operation (Reject).	Reset the device
BA41400	Failed to do ready-operation (Bundle).	Reset the device
BA41500	Failed to do ready-operation.	Reset the device
BA51100	Failed to do cash-out operation (Bundle).	Reset the device
BA51200	Failed to do cash-out operation (Bundle).	Reset the device
BA51300	Failed to do cash-out operation (Bundle).	Reset the device
BA52100	Failed to do cash-in operation (Bundle).	Reset the device
BA52200	Failed to do cash-in operation (Bundle, Cassette).	Reset the device
BA52300	Failed to do cash-in operation (Bundle, Cassette).	Reset the device
BA53100	Failed to do cash-in operation (Bundle).	Reset the device
BA60100	Failed to separate the notes.	Reset the device
BA60200	Failed to separate the notes(BC).	Reset the device
BA60300	Failed to feed the notes (BNS101).	Reset the device
BA60400	Failed to separate the notes(Bundle).	Reset the device
BA60500	Failed to separate the notes.	Reset the device
BA60600	Failed to feed the notes.	Reset the device
BA60800	The error of the Gate operation.	Reset the device
BA60900	The error of the Gate operation.	Reset the device
BA60A00	The error of the Gate operation.	Reset the device
BA60B00	The error of the Gate operation.	Reset the device
BA60D00	Failed to feed the notes.	Reset the device
BA61100	Failed to do stack operation (Escrow).	Reset the device
BA61200	Failed to feed the notes (BNS104).	Reset the device
BA61300	Failed to do stack operation (Escrow).	Reset the device
BA61400	Failed to feed the notes.	Reset the device
BA61500	Failed to do stack operation (Cassette, Escrow, Reject).	Reset the device
BA61800	The error of the Gate operation.	Reset the device
BA61900	The error of the Gate operation.	Reset the device
BA64100	Failed to do Reject->Bundle operation.	Reset the device
BA64200	Failed to do Reject->Bundle operation.	Reset the device
BA66100	Failed to do Escrow->Reject operation.	Reset the device
BA66200	Failed to do Escrow->Reject operation.	Reset the device
BA66300	Failed to feed the notes.	Reset the device
BA68100	Failed to do Escrow->Retract operation.	Reset the device
BA68200	Failed to do Escrow->Retract operation.	Reset the device
BA68300	Failed to feed the notes.	Reset the device
BA70100	Failed to do Bundle->Retract operation.	Reset the device
BA70200	Failed to feed the notes.	Reset the device
BA71100	Failed to separate the notes(Bundle).	Reset the device
BA71200	Failed to feed the notes.	Reset the device
BA72100	Failed to separate the notes(Bundle).	Reset the device
BA72200	Failed to feed the notes.	Reset the device
BA73100	Failed to separate the notes(Bundle).	Reset the device
BA73200	Failed to feed the notes.	Reset the device
BA73300	Failed to feed the notes.	Reset the device
BA74100	Failed to feed the notes.	Reset the device
BA74200	Failed to feed the notes.	Reset the device
BA74300	Failed to do Escrow->Cassette operation.	Reset the device
BA74400	Failed to feed the notes.	Reset the device
BA74500	Failed to do Escrow->Cassette operation.	Reset the device

Hyosung Master Error Code List

Error Code	Description	Solution
BA74600	Failed to do Escrow->Cassette operation.	Reset the device
BA74700	Failed to do Escrow->Cassette operation.	Reset the device
BA80100	Failed to do reject operation(Bundle is not empty).	Reset the device
BA90100	Failed to do cancel operation(Bundle is not empty).	Reset the device
BA90200	The error of the Gate operation.	Reset the device
BA91100	Failed to separate the notes(Bundle).	Reset the device
BA91200	Failed to separate the notes(Bundle).	Reset the device
BAA0100	Failed to do ready-operation.	Reset the device
BAA0200	Failed to do ready-operation.	Reset the device
BAA0300	Failed to do ready-operation.	Reset the device
BC10100	The error of cassette1 sensor.	Reset the device
BC10200	Failed to operate cassette1.Reset the device	Reset the device
BC10300	Failed to operate cassette1.	Reset the device
BC10400	Failed to operate cassette1.	Reset the device
BC10500	Failed to stack notes to cassette1.	Reset the device
BC10700	Failed to stack notes to cassette1.	Reset the device
BC10B00	The cassette1 is full.	Empty a cassette and Reset the device
BC10F00	The cassette1 is full.	Empty a cassette and Reset the device
BC20100	The error of cassette2 sensor.	Reset the device
BC20200	Failed to operate cassette2.	Reset the device
BC20300	Failed to operate cassette2.	Reset the device
BC20400	Failed to operate cassette2.	Reset the device
BC20500	Failed to stack notes to cassette2.	Reset the device
BC20700	Failed to stack notes to cassette2.	Reset the device
BC20B00	The cassette2 is full.	Empty a cassette and Reset the device
BC20F00	The cassette2 is full.	Empty a cassette and Reset the device
BDN0000	Bill Acceptor, Failed to connect to communicate	Check if communication cable or com port is not connected.
BFEE00	The device is inoperable because a shutter jam error occurred during Cash-In transaction.	Reset the device
BFFEE00	The device is inoperable because a hardware error occurred during Cash-In transaction.	Reset the device
BFFFD00	The device is inoperable because the device is pulled out during Cash-In transaction.	Reset the device
BFFFE00	The device is inoperable because a communication error occurred during Cash-In transaction.	Reset the device
BFFFF00	The device is inoperable due to a hardware error.	Reset the device
C000000	A NON-EXISTING COMMAND IS RECEIVED FROM THE AP.	1. Check the AP command or the contents of the test program command.
C001100	Notes are detected on tray(CS2 Sensor) before dispensing	1. Remove notes on CS2 sensor2. Clean CS2
C001200	This error occurs at NS7 sensor dark in initializing process or initial preparation status of dispense process	1. Remove the remaining note or dusts around the gate solenoid assembly 2. Check if NS7 sensor bracket is bent 3. Check if NS7 sensor cable and connector is not connected 4. Replace NS7 sensor when NS7 Sensor is abnormal by testing sensor poll
C001300	This error occurs at NS7 sensor dark in initializing process or initial preparation status of dispense process	1. Remove the remaining note or dusts around the gate solenoid assembly 2. Check if NS7 sensor bracket is bent

Hyosung Master Error Code List

Error Code	Description	Solution
		3. Check if NS7 sensor cable and connector is not connected 4. Replace NS7 sensor when NS7 Sensor is abnormal by testing sensor poll
C001400	CS4A sensor detects note in delivery path before/after CDU dispenses	1. Remove note from the CDU delivery path. 2. Clean CS4A
C001500	CS2 or CS4A sensor detects note in delivery path before/after CDU dispenses	1. Remove note from the CDU delivery path. 2. Clean CS2 and CS4A
C001600	This error occurs at NS7 and NS3A sensor dark in initializing process or initial preparation status of dispense process	The same as C0012 and C0014 troubleshooting
C001700	This error occurs at NS7 and NS3A sensor dark in initializing process or initial preparation status of dispense process	The same as C0012 and C0014 troubleshooting
C001800	CS4B sensor detects note in delivery path before/after CDU dispenses	1. Remove note from the CDU delivery path. 2. Clean CS4B
C001900	CS2 or CS4B sensor detects note in delivery path before/after CDU dispenses	1. Remove note from the CDU delivery path. 2. Clean CS2 and CS4B
C001A00	This error occurs at NS3B sensor dark in initializing process or initial preparation Status of dispense process	The same as C0018 troubleshooting
C001B00	This error occurs at NS3B sensor dark in initializing process or initial preparation Status of dispense process	The same as C0018 troubleshooting
C001C00	CS4A or CS4B sensor detects note in delivery path before/after CDU dispenses	1. Remove note from the CDU delivery path. 2. Clean CS4A and CS4B
C001D00	CS2, CS4A or CS4B sensor detects note in delivery path before/after CDU dispenses	1. Remove note from the CDU delivery path. 2. Clean CS2, CS4A and CS4B
C001E00	This error occurs at NS7, NS3A and NS3B sensor dark in initializing process or initial preparation status of dispense process	The same as C0012, C0014 and C0018 troubleshooting
C001F00	Perceive CS2, CS3, CS4A and CS4B Dark	1. Sensor Dark Error 2. This Error occurs at sensor dark in initialize process or initial preparation status of dispense process 3. Check jam or connection status of each sensor
C001Y00	Cash Dispenser Unit sensor cover 1 Y s a hexadecimal of the covered sensor. (from 1 to F)3rd bit : CS4B2nd bit : CS4A0th bit : CS2 Ex) 'C0015' ; CS2, CS4A covered Occurs before or after initialization and dispensing notes	1. Check if ther are notes. If so, remove them. 2. Check if cable is cut or the connector is wrongly inserted. 3. Check logic related to the sensor of the Cash Dispenser Unit board.
C002100	CS1A sensor detects note in delivery path before/after CDU dispenses	1. Remove note from the CDU delivery path. 2. Clean CS1A
C002200	This error occurs at NS2Bsensor dark in initializing process or initial preparation status of dispense process	1. Remove the remaining note or dusts around NS2B sensor 2. Check if NS2B sensor cable and connector is not connected 3. Replace NS2B sensor when NS2A Sensor is abnormal by testing sensor
C002300	CS1A or CS1B sensor detects note in delivery path before/after CDU dispenses	1. Remove note from the CDU delivery path. 2. Clean CS1A and CS1B
C002800	CS13 sensor detects note in delivery path before/after CDU dispenses	1. Remove note from the CDU delivery path. 2. Clean CS13
C002900	CS1A or CS13 sensor detects note in delivery path before/after CDU dispenses	1. Remove note from the CDU delivery path. 2. Clean CS1A and CS13
C002A00	CS1B or CS13 sensor detects note in delivery path	1. Remove note from the CDU delivery path.

Hyosung Master Error Code List

Error Code	Description	Solution
	before/after CDU dispenses	2. Clean CS1B and CS13
C002B00	CS1A, CS1B or CS13 sensor detects note in delivery path before/after CDU dispenses	1. Remove note from the CDU delivery path. 2. Clean CS1A, CS1B and CS13
C002Y00	Cash Dispenser Unit sensor covered 2 Y s a hexadecimal of the covered sensor. (from 1 to F)3rd bit : CS131st bit : CS1B0th bit : CS1A Ex) 'C0023' ; CS1A, CS1B covered Occurs before or after initialization and dispensing notes. 23 22 21 20 CS13 -CS1B CS	1. Check if there are notes. If so, remove them. 2. Check if cable is cut or the connector is wrongly inserted. 3. Check logic related to the sensor of the Cash Dispenser Unit board.
C003000	Cash Dispenser Unit main motor failure Occurs during initialization. Occurs before notes are dispensed.	1. Check the main motor of the Cash Dispenser Unit. 2. Check CS8 sensor. 3. Check if cable is cut or the connector is wrongly inserted. 4. Check logic relatd to the motor of the Cash Dispenser Unit board.
C003100	Gate solenoid echo error Occurs during initialization. Occurs before notes are dispensed.	1. Check if cable is cut or the connector is wrongly inserted in the gate solenoid. 2. Check the gate solenoid. 3. Check logic of the gate solenoid in the Cash Dispenser Unit board.
C003200	CDU Outlet Solenoid Echo Error	
C003300	CDU Checksum Error	
C003400	Double detect module failure 1	1. Check if there are notes in the double detect module. 2. Check CS5 sensor. 3. Check the double detect slit. 4. Check the double detect lever. 5. Check logic related to double detect in the Cash Dispenser Unit board.
C003500	Double detect module failure 2	1. Check if there are notes in the double detect module. 2. Check CS5 sensor. 3. Check the double detect slit. 4. Check the double detect lever. 5. Check logic related to double detect in the Cash Dispenser Unit board.
C003600	CS13, CS2 covered befor initialization	1. Check if there are notes. If so, remove them. 2. Check if cable is cut or the connector is wrongly inserted. 3. Check logic of CS13 and CS2 sensors in the Cash Dispenser Unit board.
C003700	Double detection sensor (CS5) covered Occurs while notes are being dispensed.	1. Check CS5 ? pollution, cable cutting, wrong insertion of connectors, etc. 2. Check logic related to CS5 in the Cash Dispenser Unit board.
C003800	SRAM check error	
C003900	Gate operation detection sensor (CS3) Error Occurs during initialization. Occurs before notes are dispensed.	1. Check if CS3 is polluted. 2. Check the position of the gate solenoid. 3. Check if cable is cut or the connector is wrongly inserted. 4. Check logic related to CS3 of the Cash Dispenser Unit board.

Hyosung Master Error Code List

Error Code	Description	Solution
C003A00	Request to display four or more notes.	1. Issue the command decrease the number of bills to four or less in the Control Electronics.
C003B00	CS15A,15B sensor covered Occurs during initialization.	1. Check if there are notes. If so, remove them. 2. Check CS15A and 15B sensors ? pollution, cable cutting, wrong insertion of connectors, etc. 3. Check logic related to CS15 of the Cash Dispenser Unit board.
C003C00	No cassette before cassette 1's separation-return	1. This Error occurs in miss existence of cassette at demanding dispense command through cassette 1 2. Check CS7 sensor or reinstall cassette 1
C003D00	Set up cassette on doing cassette 1's separation-return	1. This Error occurs by being fell down cassette 1 during withdrawal process 2. Reinstall cassette 1
C003E00	Perceive CS15A Dark	1. Check CS15A sensor or if being jammed in front of CS15A sensor on entrance of cassette 2 before initialize or dispense process
C003F00	Perceive CS15A and CS15B Dark	1. Check CS15A and CS15B sensor or if being jammed in front of CS15A and CS15B sensor on entrance of cassette 2 before initialize or dispense process
C004000	The cassette was removed while notes were dispensed.	1. Check if the cassette has been normally installed. 2. Check if CS7 (micro switch) can be completely pressed while the cassette is installed. 3. Check if cable is cut or a connector is wrongly installed in CS7 connector.
C004100	The machine tried to dispense notes five times or more.	1. Check the status of the note. 2. Check if the note type on the index set by the Control Electronics matches with the actual note type.
C004200	Note jam Number of requested notes > Number of notes passing CS13 Occurs after notes are dispensed.	1. Check if there are notes in the return path. If so, remove them. 2. Check CS13. 3. Check logic related to CS13 of the Cash Dispenser Unit board.
C004300	Ten or more notes are rejected in one transaction. Occurs while notes are being dispensed.	1. Check status of the note. 2. Check the two-sheet detection sensor. 3. Check if the note type on the index set by the Control Electronics matches with the actual note type.
C004400	Five consecutive rejections in one transaction. Occurs while notes are being dispensed.	1. Check the status of the note. 2. Check the two-sheet detection sensor. 3. Check if the note type on the index set by the Control Electronics matches with the actual note type.
C004500	More note than requested were dispensed. Number of requested notes < Number of notes passing CS13 Occurs while notes are being dispensed.	1. Check the number of dispensed notes and the status of notes. 2. Check CS13. 3. Check logic related to CS13 of the Cash Dispenser Unit board.
C004600	Program error	
C004700	Cash cassette1 Misfeed	
C004800	Dispense command error(wrong count)	
C004900	Request to dispense 0 note. Command error in the Control Electronics control part	The Control Electronics revises and reissues the command.
C004A00	Note jam CS1A,B ~ CS4A,B Note Passting Time >= 400ms CS4A,B~ CS13 Note Passting Time >= 500ms Occurs while notes are being dispensed.	Check if there are notes in the return path. so, remove them.

Hyosung Master Error Code List

Error Code	Description	Solution
C004B00	Three or more consecutive rejection. Occurs while notes are being dispensed.	1. Check the status of the note. 2. Check if the note type on the index set by the Control Electronics matches with the actual note type.
C004C00	The number of dispensed notes does not match. Number of notes passing CS13 <> Number of notes passing CS1A,1B Occurs after notes are	1. Check the number of dispensed notes. 2. Check if the gate normally functions.
C004D00	The cassette has not been installed before notes were dispensed. Occurs before notes are dispensed.	1. Check if the cassette has been normally installed. 2. Check if CS7 (micro switch) is completely pressed while the cassette is installed. 3. Check if cable is cut or a connector is wrongly installed in CS7. 4. Check logic related to CS7 of the Cash Disp
C004E00	The number of dispensed notes does not match. Number of requested notes > Number of notes dispensed and reported to the Cash Dispenser Unit The Control Electronics checks after notes are	1. Check the number of dispensed notes. 2. Perform a unit test on the Cash Dispenser Unit.
C004F00	The number of dispensed notes does not match. Number of requested notes < Number of notes dispensed and reported to the Cash Dispenser Unit The Control Electronics checks after notes are	1. Check the number of dispensed notes. 2. Perform a unit test on the Cash Dispenser Unit.
C005000	The power is cut while notes are being dispensed. The Control Electronics checks.	1. Check the number of dispensed notes. 2. Check if there are notes in the return path. If so, remove them.
C005100	Request to dispense 150 or more notes. Control command error in the Control Electronics	1. The Control Electronics revises and reissues the command.
C005200	CS1A,1B sensor covered. Occurs after notes are dispensed.	1. Check if there are notes in the return path. If so, remove them. 2. Check CS1A and 1B sensors. 3. Check logic related to CS1A and 1B of the Cash Dispenser Unit board.
C005300	CDU double detect module failure 4(During dispensing)	
C005400	CS1 Sensor table search error	
C005500	Outlet sensor (CS13) senses the length of the note. Occurs while notes are being dispensed.	1. Check the status of the note. 2. Check CS13. 3. Check the main motor speed. 4. Check if the note type on the index set by the Control Electronics matches with the actual note type.
C005600	The gate position sensor (CS3) detects an incorrect position while the notes are being discharged.	1. Check the gate solenoid. 2. Check CS3. 3. Check related logic of the Cash Dispenser Unit board.
C005700	Cassette information is not properly set	Set information of Cash Dispenser Unit if error is not cleared after power Off/On.
C005800	RJ BIN2 right position detect	
C005900	Initial jam time error	
C005A00	Cash cassette 1 removed prior to dispense	1. Set cassette again 2. Check CS17(NS16) 3. Check related logic of Cash Dispenser Unit board.
C005B00	Cash cassette 2 Misfeed	
C005C00	RJ BIN2 note detect error (CS14)	
C005D00	Double-pick continuously detected 3 times	Check double detect sensor
C005E00	Dispense command size check error	Download new EP software.
C005F00	Dispense command error	1. Check AP software

Hyosung Master Error Code List

Error Code	Description	Solution
		2. Download new EP software.
C006000	Dispensing command size check error	
C006100	CS31A,CS31B detect after MOTER on before dispensing	
C006200	Reserved for Half-light Test Sensor Error	
C006300	CS31A,CS31B detect after dispensing	
C006400	Reserved for Half-light Test Sensor Error	
C006500	Reserved for Half-light Test Sensor Error	
C006600	Reserved for Half-light Test Sensor Error	
C006700	Reserved for Half-light Test Sensor Error	
C006800	Reserved for Half-light Test Sensor Error	
C006900	Reserved for Half-light Test Sensor Error	
C006A00	Dispensing time out error from CS15 to CS4	
C006B00	CS31A,CS31B detect during initialize	
C006C00	Reserved for Half-light Test Sensor Error	
C006D00	Reserved for Half-light Test Sensor Error	
C006E00	Reserved for Half-light Test Sensor Error	
C006F00	Reserved for Half-light Test Sensor Error	
C006Y00	Cash Dispenser Unit sensor half-light error 1 Y is a hexadecimal of the error sensor. (from 1 to F) 3rd bit : CS4B2nd bit : CS4A0th bit : CS2	1. Check if related sensors are polluted. 2. Check related logic of the Cash Dispenser Unit board.
C007000	CS41A,CS41B detect before dispensing	
C007100	Exceed limited total 200 notes	
C007200	CS41A,CS41B detect after MOTOR ON	
C007300	CS41A,CS41B detect after dispensing	
C007400	Reserved for Half-light Test Sensor Error	
C007500	Reserved for Half-light Test Sensor Error	
C007600	Reserved for Half-light Test Sensor Error	
C007700	Reserved for Half-light Test Sensor Error	
C007800	Reserved for Half-light Test Sensor Error	
C007900	Reserved for Half-light Test Sensor Error	
C007A00	Dispensing time out error from CS15 to CS4	
C007B00	CS31A,CS31B detect error during initialize	
C007C00	4 Cassette misfeed error	
C007D00	4Cassette taken out before dispensing	
C007E00	Reserved for Half-light Test Sensor Error	
C007F00	Reserved for Half-light Test Sensor Error	
C007Y00	Cash Dispenser Unit sensor half-light error 2 Y is a hexadecimal of the error sensor. (from 1 to F) 3rd bit : CS131st bit : CS1B0th bit :	1. Check if related sensors are polluted. 2. Check related logic of the Cash Dispenser Unit board.
C008000	CS15A,CS15B detect before dispensing	
C008100	CS15A,CS15B detect after MOTOR ON	
C008200	Shutter open error (CS10) Occurs while the shutter is being opened.	1. Check if the shutter normally operates and the status of CS10 when the shutter is open. 2. Check CS10. 3. Check logic related to CS10 of the Cash Dispenser Unit board.
C008300	Stacker note detection sensor (CS9) covered. Occurs before initiazliation and notes are dispensed.	1. Check if there are notes in the stacker. If so, remove them. 2. Check CS9. 3. Check logic related to CS9 of the Cash Dispenser Unit board.
C008400	Shutter close error (CS11) Occurs while the shutter is being closed.	1. Check if the shutter normally operates and status of CS22 when the shutter is closed. 2. Check CS22.

Hyosung Master Error Code List

Error Code	Description	Solution
		3. Check logic related to CS11 of the Cash Dispenser Unit board.
C008600	Note leaving gate sensor did not reach count sensor	Check for jammed notes between #2/#3 sensors and #0/#1 sensors.
C008F00	CS13 sensor detects the notes with hole	1. Initialize Cash Dispenser (CDU). 2. Remove the holed note on CS13.
C009000	Total count of withdrew sheets > Total count of passed sheets through cassette entrance (In case of check)	1. Check count and unusual status
C009100	Reject skew check	
C009200	Reject irregular space check	
C009300	Reject irregular horizontal length check	
C009400	Reject irregular vertical length check	
C009500	Reject two sheets of check	
C009600	Reject half part of check	
C009700	Irregular separation of check	
C009800	CIU(check) sensor Error	1. Check CS31A and CS31B sensor or if being jammed in front of CS31A and CS31B sensor on entrance of cassette 3 before initialize or dispense process
C009900	CIU(check) response timeout Error	
C009A00	Dispensing time out error from CS31 to CS4	Dispensing time out error from CS31 to CS4
C009B00	Perceive CS31A and CS31B Dark (or CS31A Dark)	Check CS31A sensor or if being jammed in front of CS31A sensor on entrance of cassette 3 before initialize or dispense process
C009C00	Perceive CS31B Dark	Check CS31B sensor or if being jammed in front of CS31B sensor on entrance of cassette 3 before initialize or dispense process
C009D00	No cassette before dispensing from 3 cassette	No cassette before dispensing from 3 cassette
C009E00	Set up cassette on doing cassette 3's separation-return	Reinstall cassette
C009F00	3Cassette misfeed error	
C00A000	TS103 in lower part of tray jammed	Check sheet jammed or Dark by tray stopper
C00A100	Retract box closed (Perceive CS64 Dark)	Open cover of retract box
C00A200	Throat feed timeout (Delivery jam): TS104/105 ~ TS101	Check belt in normal close adherence status
C00A300	Shutter cam regular position timeout (TS005)	Control camera to proper position or change camera
C00A400	Reserved	
C00A500	Reserved	
C00A600	Retract cassette full, CS56 sensor blocked	
C00A700	Tray Stack position change failure (Tray Lift Cam ? TS001)	1. Check cash jammed 2. Check tray sensor (TS001, TS002 and TS003)
C00A800	Tray Delivery position change failure (Tray Lift Cam ? TS002)	1. Check cash jammed 2. Check tray sensor 3. Check connection status of motor, possibly installed in opposite order
C00A900	Sheet discharge Error (Separation-return)	
C00AA00	This error occurs by setting the abnormal information on note	1. Initialize after power off-on 2. Check CDU firmware ROM version and upgrade it, or re-download 3. Replace CDU Board with a new one
C00AB00	Note has been detected on the path before the Cash Dispenser Unit initializing.	1. Remove the jammed note on the path. 2. Check if the sensor is polluted. 3. Check if cable is cut or the connector is wrongly inserted.

Hyosung Master Error Code List

Error Code	Description	Solution
		4. Check logic related to the sensor in the Cash Dispenser Unit board.
C00AC00	Notes detected on the path while initializing CDU.	
C00AD00	Perceive TS102 Dark on doing delivery command	Remove cash in throat (TS101, TS102 and TS106) and retry
C00AE00	No perception of sheet before delivery or retract command	Supply cash
C00AF00	Life test command Error	1. Abnormal data occurred in SP or test program 2. Check communication status
C00B000	Shutter open Error during discharging	This Error occurs in shutter opened by force during discharging
C00C100	Perceive cassette 1's encoder sensor	
C00C200	Perceive cassette 2's encoder sensor	
C00C300	Perceive cassette 3's encoder sensor	
C00C400	Perceive cassette 4's encoder sensor	
C00C700	CS12 is Dark while initializing or dispensing (NH2100T)	Check the sensor
C00C800	CS14 is Dark while initializing or dispensing (NH2100T)	Check the sensor
C00C900	CS14 is Dark while initializing or dispensing (NH2100T)	Check the sensor
C00CA00	Perceive TS101 Dark before delivery command	
C00CB00	Perceive TS102 Dark before delivery command	
C00CC00	Perceive TS106 Dark before delivery command	
C00CD00	Perceive TS101 Dark after end dispense command	
C00CE00	Perceive TS102 Dark after end dispense command	
C00CF00	Perceive TS106 Dark after end dispense command	
C00D000	CS13 ~ CS12 Sensor Timeout[Jam] (NH2100T)	Check the sensor
C00D100	CS12 ~ CS14 Sensor Timeout[Jam] (NH2100T)	Check the sensor
C00D200	Throat feed timeout (Delivery jam): TS106 clear fail	
C00D300	Sheets remained in tray on throat Feeding (TS104/TS105) 1	
C00D400	Sheets remained in tray on throat Feeding (TS101)	
C00D500	Sheets remained in tray on throat Feeding (TS104/TS105) 2	
C00D600	Tray Retract position change failure (Tray Lift Cam ? TS002)	
C00D700	Tray sensor Error (TS001, TS002, TS003)	
C00D800	Perceive CS41A and CS41B Dark	Check CS41A and CS41B sensor or if being jammed in front of CS41A and CS41B sensor on entrance of cassette 4 before initialize or dispense process
C00D900	Compulsive initialization by TS101/TS102/TS106 and TS104/TS105 Dark is impossible	
C00DA00	Compulsive initialization by TS101 and TS102 Dark is impossible	
C00DB00	Perceive CS41A Dark	Check CS41A sensor or if being jammed in front of CS41A sensor on entrance of cassette 4 before initialize or dispense process

Hyosung Master Error Code List

Error Code	Description	Solution
C00DC00	Perceive CS41B Dark	Check CS41B sensor or if being jammed in front of CS41B sensor on entrance of cassette 4 before initialize or dispense process
C00DD00	No cassette before cassette 4's separation-return	Check CS43 sensor or reinstall cassette in normal condition
C00DE00	Set up cassette on doing cassette 4's separation-return	Reinstall cassette
C00DF00	Feed missed from cassette 4	Check remained cash in cassette
C00E000	NS2A, NS2B dark	Check NS2
C00E100	NS4 dark	Check NS4
C00E200	CS15A and CS15B Dark-Light test Error	1. This Error occurs in abnormal condition found on CS15A and CS15B after sensor Dark-Light test 2. Check connection status of sensor or change sensor
C00E300	CS31A and CS31B Dark-Light test Error	1. This Error occurs in abnormal condition found on CS15A and CS15B after sensor Dark-Light test 2. Check connection status of sensor or change sensor
C00E400	CS31A and CS31B Dark-Light test Error	1. This Error occurs in abnormal condition found on CS31A and CS31B after sensor Dark-Light test 2. Check connection status of sensor or change sensor
C00E600	CS41A and CS41B Dark-Light test Error	1. This Error occurs in abnormal condition found on CS41A and CS41B after sensor Dark-Light test 2. Check connection status of sensor or change sensor
C00E700	TS103, TS104 and TS105 Dark-Light test Error	1. This Error occurs in abnormal condition found on TS103, TS104 and TS105 after sensor Dark-Light test 2. Check connection status of sensor or change sensor
C00E800	TS101, TS102 and TS106 Dark-Light test Error	1. This Error occurs in abnormal condition found on TS101, TS102 and TS106 after sensor Dark-Light test 2. Check connection status of sensor or change sensor
C00F000	Operation impossible by jam on compulsive restore for sheets in tray clearing	
C00F100	Operation impossible by jam on compulsive restore for sheets in throat clearing	
C00F200	Sheets remained in tray after end dispense command (TS104/TS105 Dark)	
C00F300	TS102 sheets jammed during reserve command	
C00F400	TS102 sheets jammed during retract command	
C00F500	TS106 sheets jammed during retract command	
C00F600	TS101 sheets jammed during reserve command	
C00F700	Operation impossible by TS102 Dark during reserve command	
C00F800	Notes remained on tray and throat simultaneously.	
C00F900	Abnormal notes taking while delivering.	
C00FF00	Detected Sensor blocking before Reject CST	Check Retract/Reject Cassette Sensor
C099900	Recevie to undefined command	
C101000	CDU Can't Dispense (Check The Cassette)	Check All Cassette Status
C112000	The checks are remained on the ALG part (AAS02, AAS03, AAS08) after finishing BCA initialization	
C112100	The checks are remained on the Main 1 delivery part (recog) after finishing BCA Initialization.	

Hyosung Master Error Code List

Error Code	Description	Solution
C112200	The checks are remained on the Main 2 delivery part (escrow→ receiving part) after finishing BCA Initialization	
C112300	The checks are remained on the entry of the reject part after finishing BCA Initialization.	
C112400	The checks are remained on the Stack Box part after finishing BCA Initialize	
C113000	The checks are remained on the ALG part after finishing BCA retract	
C113100	The checks are remained on the Main 1 delivery part (recog) after finishing BCA retract.	
C113200	The checks are remained on the Main 2 delivery route (escrow->receiving part) after finishing BCA retract.	
C117800	Unusual completion of receiving Box operation during receiving, and the checks are remained on the Main 2 delivery route (FS04).	
C119100	The number of must-do in receiving mismatch from the completed number in receiving	
C11A000	Failed to finish going the right position of the INK Motor before operating retract	
C11A200	Failed to finish going the right position of the Receiver box motor before operating retract.	
C11B100	Failed to clear operating Bundle part before initializing.	
C11B200	Failed to feed the uncollected checks by customers during doing operation.	
C11B400	Failed to finish initializing escrow	
C11B500	Failed to finish operating escrow part	
C11B900	Failed to finish operating reject part	
C11bA00	Failed to finish operating Escrow before doing operation.	
C11bB00	Escrow Initial completion time out after doing operation.	
C141000	Unusual completion of Escrow Initial after doing operation.	
C142000	Reject completion time out during doing operation.	
C150100	The error of initializing the escrow part during retracting the uncollected checks.	
C150200	The error of doing stack initial operation during retracting the uncollected checks	
C150300	The error of doing INK motor initial operation during retracting the uncollected checks.	
C171000	The error of going right position on the INK motor delivery part before doing flush-all operation	
C191000	The checks are remained on the ALG part (AAS06, AAS07, AAS08, AAS09,AAS10) sensor before doing operation.	
C191100	The checks are remained on the sensor of ALG starting completion before doing operation. (FDS10)	
C191200	The checks are remained on the entry of the reject part (FDS05) before doing operation.	

Hyosung Master Error Code List

Error Code	Description	Solution
C191300	The checks are remained on the Recog part (FDS01, FDS11) before doing operation.	
C191400	The checks are remained on the entry part of (recog→escrow) (FDS17, FDS06, ESS04) before doing operation.	
C191500	The checks are remained on the Main2 delivery part (escrow→receiving) (FDS02, FDS03, FDS04, BOS12) before doing operation.	
C191600	The checks are remained on the entry of receiver part (BOS05, BOS06) before doing operation.	
C191700	The checks are remained on the entry of the reject part of (FDS05) before doing operation.	
C191800	The checks are remained on the Recog part of (FDS01, FDS11) before doing operation.	
C191900	The checks are remained on the entry part of (recog→escrow) (FDS17, FDS06, ESS04) before doing operation.	
C191A00	The checks are remained on the Main2 delivery part (escrow → receiving) (FDS02, FDS03, FDS04, BOS12) before doing operation.	
C191B00	The checks are remained on the entry of the receiver part of (BOS05, BOS06) before doing operation.	
C192000	The checks are remained on the entry of the reject part of (FDS05) before doing operation.	
C192100	The checks are remained on the Recog part of (FDS01, FDS11) before doing operation.	
C192200	The checks are remained on the entry part of (recog → escrow) (FDS17, FDS06, ESS04) before doing operation.	
C192300	The checks are remained on the Main2 delivery part (escrow → receiving) (FDS02, FDS03, FDS04, BOS12) before doing operation.	
C192400	The checks are remained on the entry of receiver part (BOS05, BOS06) before doing operation.	
C195000	Failed to do bundle init, reject init during doing operation	
C197000	Failed to do ESCROW MODE Reset after doing operation	
C210100	Failed to do the ALG Up/Down Roller Up operation	
C220000	There are no checks on the bundle part despite of receiving pick up command	
C220300	ALG Up/Down Roller fails to go right position downward.	
C220400	ALG Up/Down Roller fails to go right position downward.	
C220500	ALG Up/Down Roller fails to go right position downward.	
C223400	The checks failed to move to the first Roller during separating the bundle part. (AAS02)	
C224000	Failed to move to the Alignment position during ALG operation (AAS08)	

Hyosung Master Error Code List

Error Code	Description	Solution
C225000	The checks failed to move to the first Roller during separating the bundle part. (AAS01)	
C310000	The checks failed to reach to the RECOG Entry sensor(FDS01) during doing operation.	
C311000	Jam on the RECOG entry sensor(FDS01) during doing operation	
C312000	Jam on the ESCROW entry sensor(FDS06) after finishing the operation	
C313000	The checks failed to reach to the ESCROW entry sensor(FDS06) after finishing the operation	
C440000	Jam at the RECOG entry part during doing operation (FDS01)	
C440100	Jam at the PRT entry part during doing operation (FDS02)	
C440200	Jam on the second delivery route during doing operation (FDS03)	
C440300	Jam on the second delivery route during doing operation (FD04)	
C440400	Jam on the REJECT Entry part during doing operation (FDS05)	
C440500	Jam on the ESCROW Entry part during doing operation (FDS06)	
C440600	Jam on the RECOG OUTRET Entry part during doing operation (FDS10)	
C440700	Jam on the RECOG part during doing operation (FDS11)	
C440800	Jam on the ESCROW Entry part during doing operation (FDS17)	
C440900	Jam at the starting point of the STACK operation during doing operation (BOS05)	
C440A00	Jam at the RETRACT entry art during doing operation (BOS06)	
C440B00	Jam at the STACK entry art during doing operation (BOS12)	
C445000	Jam at the RECOG entry part during doing operation (FDS01)	
C445100	Jam at the PRT entry part during doing operation (FDS02)	
C445200	Jam on the second delivery route during doing operation (FD03)	
C445300	Jam on the second delivery route during doing operation (FD04)	
C445400	Jam on the REJECT Entry part during doing operation (FDS05)	
C445500	Jam on the ESCROW Entry part during doing operation (FDS06)	
C445700	Jam on the RECOG part during doing operation (FDS11)	
C445800	Jam on the ESCROW Entry part during doing operation (FDS17)	
C445900	Jam at the starting point of the STACK operation during doing operation (BOS05)	
C445A00	Jam on the RETRACT Entry part during doing operation (BOS06)	

Hyosung Master Error Code List

Error Code	Description	Solution
C445B00	Jam on the STACK Entry part during doing operation (BOS12)	
C447000	Jam on the RECOG Entry part during doing operation (FDS01)	
C447100	Jam on the PRT Entry part during doing operation (FDS02)	
C447200	Jam on the second delivery route during doing operation (FDS03)	
C447300	Jam on the second delivery route during doing operation (FDS04)	
C447400	Jam on the REJECT entry part during doing operation (FDS05)	
C447500	Jam on the ESCROW entry part during doing operation (FDS06)	
C447600	Jam on the RECOG OUTRET entry part during doing operation (FDS10)	
C447700	Jam on the RECOG part during doing operation (FDS11)	
C447800	Jam on the Escrow entry during doing operation (FDS17)	
C447900	Jam at the starting point of Stack operation during doing operation. (BOS05)	
C447A00	Jam on the Retract entry during doing operation. (BOS06)	
C447B00	Jam on the Stack entry during doing operation. (BOS12)	
C500300	The error of the Stack Gate operation (PULL)	
C501300	The error of the Stack Gate operation (RELEASE)	
C501500	Solenoid fails to go right position during retract operation.	
C520500	The check are remained on the BOS05 before moving to base position of Stack Box	
C550100	Failed to do ready-operation of STACK BOX BIN1	
C550200	Failed to do ready-operation of STACK BOX BIN2	
C550300	Failed to move to the Stop position of STACK BOX BIN1	
C550400	Failed to move to the Stop position of STACK BOX BIN2	
C561000	The checks exist when checking the BOS05 right before receiving operation.	
C561200	The checks failed to reach at the delivery route during receiving operation (FDS04)	
C561400	Jam on the way of delivering during receiving operation(FDS04)	
C561600	Jam on the way of delivering during receiving operation(BOS12)	
C561800	The checks failed to reach at the position of the stack entry during receiving operation(BOS05)	
C562000	STACK BOX BIN1 ready position error	
C562200	STACK BOX BIN1 stop position error	
C562400	STACK BOX BIN2 ready position error	
C562600	STACK BOX BIN2 stop position error	

Hyosung Master Error Code List

Error Code	Description	Solution
C562800	The checks are remained on position of the stack entry after finishing receiving the checks	
C602000	Jam on the way of delivering during reject operation	
C61A000	In case that the maximum acceptance of the checks goes over than the value of ESCROW MAX during receiving the entry command	
C691000	scan to Reject (direction of scanning). The checks failed to reach at the RECOG entry part during doing operation.	
C692000	scan to Reject (direction of scanning) Jam occurs at the entry of RECOG part during running the operation	
C693000	scan to Reject (direction of rejecting). The checks cannot reach at the entry of REJECT part during running the operation	
C694000	scan to Reject (direction of rejecting). Jam occurs at the entry of REJECT part during running the operation	
C696000	Failed to finish the operation at the entry of RECOG during reject moving about failure of the checks alignment	
C697100	Jam occurs at the entry of RECOG during reject moving about failure of the checks alignment	
C6C1000	Failed to finish operating INK motor before running	
C6C2000	Failed to operate the delivering position of INK motor before running	
C6C3000	Failed to operate the delivering position of INK motor before running	
C700200	Failed to REJECT STAGE DOWN	
C700300	Failed to operate REJECT STAGE UP	
C700400	The error of REJECT STAGE sensor	
C700500	Reject → Failed to Bundle operation	
C700600	Reject → Failed to Bundle operation	
C700700	Failed to enter the Reject part	
C700800	Failed to enter the Reject part	
C701000	Reject → Failed to Bundle operation	
C712000	File Create fail	Check CDU File, create fail
C712100	File read fail	Check CDU File, read fail
C712200	File write fail	Check CDU File, write fail
C712300	File close fail	Check CDU File, close fail
C712400	File delete fail	Check CDU File, delete fail
C712500	File copy fail	Check CDU File, copy fail
C712600	File directory create fail	Check CDU File, directory create fail
C719000	Exchange Active	Contact to Software engineers
C719100	Exchange is Not active	Contact to Software engineers
C719200	CashIn State	Contact to Software engineers
C719300	Is not Cash In state	Contact to Software engineers
C719400	Invalid Cash Unit ID	Contact to Software engineers
C719500	CST ID is wrong	Contact to Software engineers
C719600	Cash Unit count is wrong	Contact to Software engineers
C71A000	Invalid denomination	Contact to Software engineers
C71A100	Invalid Currency	Contact to Software engineers
C71A200	Not dispensable	Contact to Software engineers

Hyosung Master Error Code List

Error Code	Description	Solution
C71A300	Too many bills	Contact to Software engineers
C71A400	Too many coins	Contact to Software engineers
C71A500	Invalid Mix Number	Contact to Software engineers
C71B000	No bills	Check Stacker
C71C000	Not Support Command	Contact to Software engineers
c740000	Not defined error	
c744700	Failure on taking out note from 1st cassette even though there remain lots of notes.	Check cassette (1st)
c745B00	Failure on taking out note from 2nd cassette even though there remain lots of notes.	Check cassette (2nd)
C747C00	Failure on taking out note from 1st cassette even though there remain lots of notes.	Check cassette (4th)
c749f00	Failure on taking out note from 3rd cassette even though there remain lots of notes.	Check cassette (2nd)
C810100	The checks are remained before/after operating Escrow	
C810200	Escrow detects Tape End	
C811100	The checks are remained before/after operating Escrow	
C811200	The checks are remained before/after operating Escrow	
C812100	The checks are remained before/after operating Escrow	
C812200	Detecting Tape Start during operating Escrow Rewind.	
C813100	The checks are remained before/after operating Escrow	
C813200	The checks are remained before/after operating Escrow	
C820100	The checks are remained before/after operating Escrow	
C820200	Escrow detects Tape End	
C820300	Escrow detects checks full	
C820400	The checks are remained before/after operating Escrow	
C820500	The checks are remained before/after operating Escrow	
C821100	The checks are remained before/after operating Escrow	
C821200	The checks are remained before/after operating Escrow	
C821300	Escrow detects Tape End	
C821400	Escrow detects checks full	
C830100	The checks are remained before/after operating Escrow	
C830200	The checks are remained before/after operating Escrow	
C830300	The checks are remained before/after operating Escrow	
C831100	The checks are remained before/after operating Escrow	
C831200	The checks are remained before/after operating Escrow	
C831300	The checks are remained before/after operating Escrow	

Hyosung Master Error Code List

Error Code	Description	Solution
C831400	The checks are remained before/after operating Escrow	
C840000	Failed to detect the Escrow Tape	
C850000	Failed to detect the Escrow Tape	
C860100	The checks are remained before/after operating Escrow	
C860200	Failed to detect the Escrow Tape	
C871100	The checks are remained before/after operating Escrow	
C871200	The checks are remained before/after operating Escrow	
C880000	The checks are remained before/after operating Escrow	
C890100	Failed to detect the Escrow Tape	
C890200	The checks are remained before/after operating Escrow	
C890300	The checks are remained before/after operating Escrow	
C900100	The delivering roller with low-speed failed to operate upward/downward	
C900200	The delivering part with low-speed failed to operate upward or failed to recovery operation.	
C900300	The delivering part with low-speed fails to operate downward or failed to recovery operation.	
C900400	The error of shutter sensor	
C900500	Failed to operate shutter open	
C900600	Failed to operate shutter close.	
C900700	The error of Bill press Roller operation	
C900800	The error of Bill press delivering position	
C900900	The error of Bill Press separation position	
C900A00	The error of Bill press are remained position	
C900B00	The error of Bill press reject position	
C900C00	Failed to finish operating during MODUSI pick-up-Back(BDS08, BDS09)	
C900D00	MODE reset or the error of"the remained checks exists"during checking the are remained	
C900E00	Failed to feed the check	
C900F00	Failed to move to the position of separating the check	
C901000	Failed to discharge the checks, or failed to recovery	
C901100	Failed to separate the checks, or the checks are remained.	
C901500	Failed to make a retry during separating	
C901700	Reject → Failed to finish delivering the bundle check	
C903000	The checks fails to reach the location of BDS09,BDS08 separation sensor because of failure of separation during bundle back operation	
C980000	Failed to finish moving to the position of separating the bundle check during multi scan.	
C980200	Failed to finish moving to the position of separating the bundle check during multi scan.	

Hyosung Master Error Code List

Error Code	Description	Solution
C980400	Failed to finish moving to the position of separating the bundle check during picking up.	
C9CA000	Bundle separation is finished up with an error	
C9CB000	Time out during picking up for 20 minutes	
CANCE00	Surcharge Cancel.	Customer has canceled the transaction at surcharge.
CC01000	A check can not move to location of waiting for Bundle separation.	
CC02000	Failed to feed the Bundle check	
CC32000	Scan process does not make separation of the checks or aligning.	
CC33000	Scan image does not transfer for 120 seconds.	
CC61100	Failed to check the remaining information.	
CDN0100	No response detected after sending command	Check cable and connection between the CE and dispenser.
CDN0F00	No response detected after sending command	Check cable and connection between the CE and dispenser.
CDN1000	No Response after send command	
CDN1100	No Response after 3 retry of command	
CDN1200	No Response between ENQ-ACK after 5 retry of ENQ	
CDN1300	No Response after 5 retry because of timeout between STXBCC interval	
CDNXX00	Cash Dispenser Unit connection failure Control Electronics<-> Cash Dispenser Unit communication error	1. Check if the communication cable between the Control Electronics and the Cash Dispenser Unit is cut and the connector is wrongly inserted. 2. Check logic related to communication between the Control Electronics and the Cash Dispenser Unit board.
CXX4700	Miss-feed No passing note is detected by CS1A and 1B sensors after the note is dispensed.	1. Check the note-setting status in the cassette. 2. Check CS1A and 1B sensors.
CXX5B00	2nd cassette misfeed error	1. Check if the separation motor is normal. 2. Check cassette #1 is empty.
CXX9F00	3rd cassette misfeed error	1. Check note empty 2. Check pick-up module in cassette #3
D000000	Unauthorized usage	Call your service personnel.
D000100	Error while modem initializing	Check the modem connection and the modem test.
D000200	Reversal transaction failure	Check for any CDU error codes and the number of notes dispensed to customer.
D000300	PIN ERROR	Transaction was denied by host
D000400	INVALID PIN	Transaction was denied by host
D000500	BANK UNAVAILABLE	Transaction was denied by host
D000600	CARD NOT SUPPORTED	Transaction was denied by host
D000700	INSUFFICIENT FUNDS	Transaction was denied by host
D000800	INELIGIBLE TRANSACTION	Transaction was denied by host
D000900	INELIGIBLE ACCOUNT	Transaction was denied by host
D001000	DAILY LIMIT EXCEEDED	Transaction was denied by host
D001100	UNABLE TO PROCESS	Transaction was denied by host
D001200	1. AMOUNT TOO LARGE 2. This error code means Invalid Transaction at ATM connected to RBS-LYNK.	Transaction was denied by host
D001300	1. ACCOUNT CLOSED 2. This error code means Invalid Amount at ATM connected to RBS-LYNK.	Transaction was denied by host
D001400	1. PIN TRIES EXCEEDED 2. This error code means Invalid Card Number at ATM connected to RBS-LYNK.	Transaction was denied by host
D001500	UNABLE TO PROCESS	Transaction was denied by host

Hyosung Master Error Code List

Error Code	Description	Solution
D001600	WITHDRAWAL LIMIT ALREADY REACHED	Transaction was denied by host
D001700	INVALID AMOUNT	Transaction was denied by host
D001800	EXTERNAL DECLINE	Transaction was denied by host
D001900	SYSTEM ERROR	Transaction was denied by host
D002000	1. CONTACT CARD ISSUER. 2. This error code means Surcharge screen should have been displayed at ATM connected to RBS-LYNK.	Transaction was denied by host
D002100	ROUTING LOOKUP PROBLEM	Transaction was denied by host
D002200	UNABLE TO PROCESS	Transaction was denied by host
D002300	TRANSACTION NOT SUPPORTED	Transaction was denied by host
D002400	Exceeds Issuer Withdrawal Limit	Transaction was denied by host
D003900	No Credit Account	Transaction was denied by host
D005100	Insufficient Funds	Transaction was denied by host
D005200	No Checking Account	Transaction was denied by host
D005300	No Savings Account	Transaction was denied by host
D005400	Expired Card	Transaction was denied by host
D005500	Incorrect Pin	Transaction was denied by host
D005700	Transaction not Permitted – Card	Transaction was denied by host
D005800	Transaction not Permitted – Terminal	Transaction was denied by host
D006100	Exceeds Withdrawal Limit	Transaction was denied by host
D007500	PIN Tries Exceeded	Transaction was denied by host
D007800	No Account	Transaction was denied by host
D008000	Invalid Date	Transaction was denied by host
D008300	Can not Verify PIN	Transaction was denied by host
D008600	Can not Verify PIN	Transaction was denied by host
D009100	Bank Unavailable	Transaction was denied by host
D009200	System Unavailable	Transaction was denied by host
D009300	Transaction Serial Number mismatched	Transaction was denied by host
D009301	SOURCE ACCOUNT INVALID	Check the source account.
D009302	DESTINATION ACCOUNT INVALID	Check the destination account.
D009400	Different Record Format	Inconsistent with the message of Host
D009500	Different Routing ID	Inconsistent with the message of Host
D009600	Terminal ID Mismatched	Inconsistent with the message of Host
D009700	Response Type Mismatched (Reversal)	1. Transaction was denied by host
D009800	Response Type mismatch (Day Close)	Check the terminal setting from the host.
D009900	First, second, third or forth des key wrong size.	Inconsistent with the message of Host. Check the host,
D009A00	Response Type mismatch (Withdrawal/Balance/Transfer)	Check the terminal setting from the host.
D009A01	PCODE MISMATCHED	Inconsistent with the message of Host. Check the host,
D009B00	STX missing	1. Check modem cable 2. Contact to host
D009C00	ETX error	Check the terminal setting from the host.
D009D00	FS out (after response code)	Check the terminal setting from the host.
D009E00	1. FS out (after retrieval reference number). 2. Transaction time or retrival reference number size of wrong.	Check the terminal setting from the host.
D009F00	1. FS out (after system trace audit number) 2. System trace audit number, network id code or settlement date size is wrong.	Check the terminal setting from the host.
D00A000	FS out (after account balance)	Check the terminal setting from the host.
D00A100	FS out (after available balance)	Check the terminal setting from the host.
D00A200	FS missing (next to Surcharge Amount)	Check transaction records and hosts for each cause, and try to make the transaction again.
D00A300	FS missing (next to Authorization Response Text)	Check transaction records and hosts for each cause, and try to make the transaction again.

Hyosung Master Error Code List

Error Code	Description	Solution
D00A400	ETX wrong position	Check the terminal setting from the host.
D00A500	FS missing (next to Total Cash Dispense Amount in the Day Close message)	Check transaction records and hosts for each cause, and try to make the transaction again.
D00A600	FS missing (next to Total Non Cash Dispense Amount in the Day Close message)	Check transaction records and hosts for each cause, and try to make the transaction again.
D00A700	FS missing (next to Total Surcharge Amount in the Day Close message)	Check transaction records and hosts for each cause, and try to make the transaction again.
D00A800	FS out (after config surcharge amount)	Check the terminal setting from the host.
D00A900	ETX missing (in the Configuration message)	Check modem cable2. Contact to host
D00AB00	Miscellaneous Field Error	Check Host
D00AC00	Invalid data received from the host(MAC data mismatch)	Check the terminal setting from the host.
D00AD00	Response Data Error	Check Host
D00AE00	Sequence Number Error	Check Host
D00B000	Terminal ID mismatched	Inconsistent with the message of Host. Check the host.
D00B100	Response Code Mismatched	Inconsistent with the message of Host. Check the host.
D00B200	First Field ID Code Mismatched	Inconsistent with the message of Host. Check the host.
D00B300	First Des Key Wrong Size	Inconsistent with the message of Host. Check the host.
D00B400	Surcharge Amount wrong size	Inconsistent with the message of Host. Check the host.
D00B500	Sequence Number MISMATCHED	Inconsistent with the message of Host. Check the host.
D00B600	INVALID RESPONSE CODE ERROR	Inconsistent with the message of Host. Check the host.
D00B700	Authorization Number Error	Inconsistent with the message of Host. Check the host.
D00B800	Transaction or Business Date Error	Inconsistent with the message of Host. Check the host.
D00B900	TransactionTime Number Error	Inconsistent with the message of Host. Check the host.
D00BA00	BUSINESS DATE Error	Inconsistent with the message of Host. Check the host.
D00BB00	case 1. Number of Withdrawals error case 2. Number of Inquiries error case 3. Number of Transfers error case 4. Balance amount error	Inconsistent with the message of Host. Check the host.
D00BC00	Actual surcharge error	Inconsistent with the message of Host. Check the host.
D00BD00	Sequence Number MISMATCHED	Inconsistent with the message of Host. Check the host.
D00BF00	Business Date error	Inconsistent with the message of Host. Check the host.
D00C000	Settlement error	Inconsistent with the message of Host. Check the host.
D00C100	Host MAC result error	Check the key mode and MAC value
D00C200	ATM MAC result error	Check the key mode and MAC value
D00C300	MAC IS NOT EXIST	Check the key mode and MAC value
D011100	REVERSAL DECLINED	1. Check modem cable 2. Contact to host
D012300	Transaction not supported	
D022200	PIN CHANGE DECLINED	Check modem cable and Contact status to host
D030000	Modem is not responding	Check the modem controller.
D030100	The target call address has call blocking enabled.	1. Check modem cable 2. Contact to technical support team
D030200	The specified terminal identifier is invalid.	1. Check modem cable 2. Contact to technical support team
D030300	All call appearances on the specified address are currently in use.	1. Check modem cable 2. Contact to technical support team
D030400	The disable address parameter contains dialing control characters that are not processed by the service provider.	1. Check modem cable 2. Contact to technical support team
D030500	The specified country/region code is invalid.	1. Check modem cable 2. Contact to host and phone company
D030600	The operation failed for an unspecified or unknown reason.	Contact to technical support team
D030700	Insufficient resources to complete the operation	Contact to technical support team
D100000	No connection	1. Check phone number

Hyosung Master Error Code List

Error Code	Description	Solution
		2. Check modem cable
		3. Contact phone company
D110000	Cannot receive ENQ from the host	Check host.
D120000	Transmission error : Failed to receive the whole data within 5 seconds after requesting the modem to send the data.	1. Check modem and modem cable connection
		2. Contact telephone company
D130000	Receiving NAK more than 3 times	1. Check modem and modem cable connection
		2. Contact telephone company
D140100	Disconnected by unknown reason	1. Check modem and modem cable connection
		2. Contact telephone company
D140200	Disconnected by Remote Party rejected call	1. Check modem and modem cable connection
		2. Contact telephone company
D140300	Disconnected by Local phone picked up	1. Check modem and modem cable connection
		2. Contact telephone company
D140400	Disconnected by Forwarded	1. Check modem and modem cable connection
		2. Contact telephone company
D140500	Disconnected by Unreachable	1. Check modem and modem cable connection
		2. Contact telephone company
D140600	Disconnected by Congestion	1. Check modem and modem cable connection
		2. Contact telephone company
D140700	Disconnected by Incompatible	1. Check modem and modem cable connection
		2. Contact telephone company
D140800	Disconnected by un-known reason	1. Check modem and modem cable connection
		2. Contact telephone company
D140900	Disconnected by Bad Address	1. Check modem and modem cable connection
		2. Contact telephone company
D141000	Disconnected by Unavailable	1. Check modem and modem cable connection
		2. Contact telephone company
D150000	1. Modem dial connection time-out (while dialing the modem). 2. TCPIP connection is failed. 3. No response from host for 60 seconds.	1. Check modem and modem cable connection
		2. Check LAN card and LAN cable.
		3. Contact telephone company
D160100	Disconnected by Bad Address	1. Check modem and modem cable connection
		2. Contact telephone company
D160200	Disconnected by Unavailable	1. Check modem and modem cable connection
		2. Contact telephone company
D160300	Disconnected by Out of Order	1. Check modem and modem cable connection
		2. Contact telephone company
D170000	No carrier (while sending/receiving data after dial connection)	1. Check modem and modem cable connection
		2. Contact telephone company
D170100	No carrier before sending data after modem connection	1. Check phone line status
		2. Check ground of AC power and noise between modem cable and power cable
D170200	No carrier before receiving ENQ from host	1. Check phone line status
		2. Check ground of AC power and noise between modem cable and power cable
D170300	No carrier before sending transaction Inquire data to host	1. Check phone line status
		2. Check ground of AC power and noise between modem cable and power cable
D170400	No carrier after sending transaction Inquire data to host	1. Check phone line status
		2. Check ground of AC power and noise between modem cable and power cable
D170500	No carrier before receiving ACK from host	1. Check phone line status
		2. Check ground of AC power and noise between modem cable and power cable

Hyosung Master Error Code List

Error Code	Description	Solution
D170600	No carrier after receiving ACK from host	1. Check phone line status 2. Check ground of AC power and noise between modem cable and power cable
D170700	NAK retry error	1. Check modem and modem cable connection. 2. Contact telephone company.
D170800	Send retry error	1. Check modem and modem cable connection 2. Contact telephone company
D170900	Modem initialize fail	Check modem
D170X00	No carrier during data sending/receiving after the modem is connected.	1. Check modem and modem cable connection 2. Contact telephone company
D171000	Modem Comport Failed	Check modem
D180000	No Dial Tone(in Modem dial connection)	1. Check telephone line connection. 2. Check Modem.
D190000	No Answer No silence in the line that does not support dial tone.	1. Check the status of the telephone line. 2. Check the modem controller and logic.
D200000	Dial(Line) busy	Try again later. Check phone number.
D210000	1. Time out(30sec.) for initializing modem before Modem Dial connecting. 2. TCP/IP connection timeout.	1. Check telephone line connection and Modem. 2. Check LAN card and cable
D220000	not receiving EOT from HOST	1. Check telephone line connection. 2. Check Modem.
D230000	No response from Host - Dialing time out to Host	1. Check telephone line connection. 2. Check Modem.
D250000	Cannot connect to the host	Check telephone line connection
D251000	Timeout while Sending	Check telephone line connection
D251100	Communication error while Sending	Check telephone line connection
D251200	Socket error while Sending	Check telephone line connection
D251300	Timeout while Receiving	Check telephone line connection
D251400	Communication error while Receiving	Check telephone line connection
D251500	Socket Error while Receiving	Check telephone line connection
D320000	No response from Host/Dialing time out to Host	Check telephone line connection
D320100	Outbound call is aborted	1. Check modem line 2. Replace modem if same error occurs repeatedly
D320200	Fail to dial to someone	1. Check modem line 2. Replace modem if same error occurs repeatedly
D320300	No Line Reply	
D320400	Get Line ID Failed	
D320500	Modem Comport Failed	
D320600	Call Failed	
D320700	No Answer	
D320800	Modem Call Other Error	
D410000	CRC mismatch	Check telephone line connection
D410100	No CRC is received	Make sure that the host is using CRC
D650000	TCP/IP Connection Timeout	Check LAN card and cable
DA00010	Expired card	Host denied error. Talk to host with response code 010.
DA00020	Unauthorized usage	
DA00030	PIN error	
DA00040	INVALID PIN !!!	Host denied error. Talk to host with response code 040.
DA00050	DESTINATION NOT AVAILABLE !!!	Host denied error. Talk to host with response code 050.
DA00060	INVALID CARD !!!	Host denied error. Talk to host with response code 060.
DA00070	INSUFFICIENT FUNDS !!!	Host denied error. Talk to host with response code 070.
DA00080	INELIGIBLE TRANSACTION !!!	Host denied error. Talk to host with response code 080.
DA00090	INELIGIBLE ACCOUNT !!!	Host denied error. Talk to host with response code 090.
DA00100	Expired card	Check the valid date of card.
DA00110	Cannot process transaction	Host denied error. Talk to host with response code 011.

Hyosung Master Error Code List

Error Code	Description	Solution
DA00111	Reversal Declined	Host denied error. Talk to host with response code 111. (OASIS system only)
DA00120	WITHDRAWAL LIMIT EXCEEDED !!!	Host denied error. Talk to host with response code 012.
DA00130	Amount closed	Host denied error. Talk to host with response code 013.
DA00140	PIN TRIES EXCEEDED !!!	Host denied error. Talk to host with response code 014.
DA00150	DATABASE PROBLEM !!!	Host denied error. Talk to host with response code 015.
DA00160	WITHDRAWAL LIMIT EXCEEDED !!!	Host denied error. Talk to host with response code 016.
DA00170	Invalid Amount	Host denied error. Talk to host with response code 017.
DA00180	External decline	Host denied error. Talk to host with response code 018.
DA00190	SYSTEM ERROR !!!	Host denied error. Talk to host with response code 019.
DA00200	Unauthorized usage	Inquire your service provider.
DA00210	ROUTING LOOK-UP PROBLEM !!!	Host denied error. Talk to host with response code 020.
DA00220	MESSAGE EDIT ERROR !!!	Host denied error. Talk to host with response code 022.
DA00222	PIN Change Declined	Host denied error. Talk to host with response code 222. (OASIS system only)
DA00223	PIN Unlock Declined	Host denied error. Talk to host with response code 223. (OASIS system only)
DA00230	TRANSACTION NOT SUPPORTED !!!	Inquire your service provider.
DA00240	Insufficient funds	
DA00250	Western Union sender data error	Host denied error. Talk to host with response code 025.
DA00260	Western Union receiver data err	Host denied error. Talk to host with response code 026.
DA00270	CRC error	Host denied error. Talk to host with response code 027.
DA00280	Pre-pay transaction failed	Host denied error. Talk to host with response code 028.
DA00290	Pre-pay transaction rejected	Host denied error. Talk to host with response code 029.
DA00300	PIN error	1. Reenter the password correctly. 2. If the same problem occurs, inject master key again by diagnostics or inquire your service provider.
DA00310	Pre-pay account limit reached	Host denied error. Talk to host with response code 031.
DA00320	Pre-pay system unavailable	Host denied error. Talk to host with response code 032.
DA00330	Response msg size limit over	Host denied error. Talk to host with response code 033.
DA00340	Required info lost to process	Host denied error. Talk to host with response code 034.
DA00350	Second Invalid PIN	Host denied error. Talk to host with response code 035.
DA00360	Fallback Not Allowed	Host denied error. Talk to host with response code 036.
DA00370	Invalid Exchange Rate	Host denied error. Talk to host with response code 037. (OASIS system only)
DA00400	CAPTURE CARD	Inquire your service provider. (OASIS system only)
DA00500	Bank unavailable	1. Check the card whether usage or not. 2. Inquire about the problem.
DA00600	Card not supported	Check the card whether usage or not.
DA00700	CAPTURE CARD SPCL CD	Inquire your service provider. (OASIS system only)
DA00730	ROUTING PROBLEM !!!	Inquire your service provider.
DA00800	Ineligible transaction	Inquire your service provider.
DA00850	Request AAC from ICC	Host denied error. Talk to host with response code 085. (OASIS system only)
DA00900	Ineligible account	Inquire your service provider.
DA00XX0	When receiving HOST DENY message, below error code will be displayed on the screen. 1.When HOST DENY ERROR CODE is 3 byte, DA00XX(X0) will be displayed.	
DA01000	Number of daily withdrawal exceeded	Inquire your service provider.
DA01100	UNAUTHORIZED TRANSACTION-Cannot process transaction	Inquire your service provider.
DA01110	TIME OUT	Inquire your service provider.

Hyosung Master Error Code List

Error Code	Description	Solution
DA01200	EXPIRED CARD (RBSLynk) or INVALID SELECTED TRANSACTION (COMMON)	- EXPIRED CARD Check the valid date of card. - INVALID SELECTED TRANSACTION Check the selected transaction
DA01300	INVALID (RBSLynk) or INVALID AMOUNT (STANDARD1/2) or ACCOUNT CLOSED (STANDARD3)	-INVALID
		1. Reenter the password correctly.
		2. If the same problem occurs, inject master key again by diagnostics or inquire your service provider.
		- INVALID AMOUNT
		Check the input amount during transaction.
DA01400	PIN ERROR (RBSLynk) or INVALID CARD (COMMON)	
		- PIN ERROR
		1. Reenter the password correctly.
		2. If the same problem occurs, inject master key again by diagnostics or inquire your service provider.
		- INVALID CARD
		Check the card whether usage or not.
DA01500	BANK or NETWORK UNAVAILABLE	Inquire your service provider.
DA01600	Withdrawal limit already reached	1. Check the limit amount of withdrawal. 2. Check the total paid money from ATM.
DA01700	Invalid Amount	Check the input amount during transaction.
DA01800	External decline	Inquire your service provider.
DA01900	System error	Inquire your service provider.
DA02000	INVALID RESPONSE	Inquire your service provider. (OASIS system only)
DA02100	UNAUTHORIZED USE (STANDARD1/2) or Routing lookup problem (STANDARD3)	Inquire your service provider.
DA02200	Message edit error	Inquire your service provider.
DA02220	PIN Change Declined	Host denied error. Talk to host with response code 222
DA02230	PIN Unlock Declined	Host denied error. Talk to host with response code 223.
DA02300	Transaction not supported-INVALID TRANSACTION	Inquire your service provider.
DA02400	PIN ERROR (RBSLynk) or EXCEEDS WITHDRAWAL LIMIT (COMMON)	- PIN ERROR
		1. Reenter the password correctly.
		2. If the same problem occurs, inject master key again by diagnostics or inquire your service provider.
DA03000	FORMAT ERROR	Inquire your service provider. (OASIS system only)
DA03100	ISSUER NOT SUPPORTED	Inquire your service provider. (OASIS system only)
DA03200	COMPLETED PARTIALLY (PARTIAL DISPENSE)	Inquire your service provider. (OASIS system only)
DA03900	INVALID CREDIT CARD ACCOUNT	Inquire about credit card account to bank.
DA04000	ENTER WHOLE DOLLARS ONLY	Check the denomination of your ATM.
DA04100	INSUFFICIENT FUNDS	Check the fund of account.
DA04200	NO FURTHER WITHDRAWALS	Inquire your service provider.
DA04300	STOLEN CARD/PICKUP	(OASIS system only)
DA04400	LESSER WHOLE DOLLAR - RETRY	Check the input amount during transaction. Except transfer transaction, user have to input more \$1
DA05000	INVALID PIN	1. Reenter the password correctly.
		2. If the same problem occurs, inject master key again by diagnostics or inquire your service provider.
DA05100	NO SUFFICIENT FUNDS	Not enough funds. Check the your account. (OASIS system only)
DA05200	INVALID CHECKING ACCOUNT	Check the checking account.
DA05300	NO SAVINGS ACCOUNT	Check the savings account. (OASIS system only)

Hyosung Master Error Code List

Error Code	Description	Solution
DA05400	EXPIRED CARD	Check the valid date of Card
DA05500	INCORRECT PIN	1. Reenter the password correctly. 2. If the same problem occurs, inject master key again by diagnostics or inquire your service provider. (OASIS system only)
DA05600	INVALID CARD NUMBER (PAN)	Inquire the card issuer. (OASIS system only)
DA05700	INVALID TRANSACTION FOR THIS CARD	Check the card whether usable or not.
DA05800	NOT PERMITTED/ TERMINAL	Inquire your service provider. (OASIS system only)
DA06100	EXCEEDS WITHDRAWAL LIMIT	Check the amount of withdrawal limit.
DA06200	RESTRICTED CARD TEMPORARY	Inquire the card issuer. (OASIS system only)
DA06300	MAC ERROR	Inquire your service provider. (OASIS system only)
DA06700	HARD CAPTURE/PICKDUP	Inquire your service provider. (OASIS system only)
DA06800	TIMEOUT	Inquire your service provider. (OASIS system only)
DA07000	INVALID CARD - NOT A DEBIT CARD	Check the card whether usable or not
DA07100	NO CREDIT ACCOUNT NUMBER FOUND	Check card whether usable or not
DA07500	BAD PIN (MULTIPLE TIMES)	1. Reenter the password correctly. 2. If the same problem occurs, inject master key again by diagnostics or inquire your service provider.
DA07600	INVALID ACCOUNT	Inquire the card issuer. (OASIS system only)
DA07800	NO ACCOUNT EXIST	Inquire your service provider.
DA08000	INVALID DATE	Check local date of ATM.
DA08300	NOT VERIFIED PIN	1. Reenter the password correctly. 2. If the same problem occurs, inject master key again by diagnostics or inquire your service provider.
DA08600	NOT VERIFIED PIN	1. Reenter the password correctly. 2. If the same problem occurs, inject master key again by diagnostics or inquire your service provider.
DA08700	KEY SYNCH ERROR (PIN)	1. Reenter the password correctly. 2. If the same problem occurs, inject master key again by diagnostics or inquire your service provider. (OASIS system only)
DA08800	KEY SYNCH ERROR (MAC)	1. Reenter the password correctly. 2. If the same problem occurs, inject master key again by diagnostics or inquire your service provider. (OASIS system only)
DA09000	INVALID TERMINAL TYPE	Inquire your service provider.
DA09100	INVALID TERMINAL KEY (RBSLink) or NO BANK RESPONSE (COMMON)	Inquire your service provider.
DA09200	INVALID ABA, SIC or ACCOUNT NUMBER (RBSLink) or NO NETWORK RESPONSE	Inquire your service provider.
DA09300	VIOLATION ON LAW	Inquire your service provider. (OASIS system only)
DA09400	MISC. PROCESSING ERROR(RBSLink)	
DA09500	TEST TRANSACTION FOR OTHER THAN \$0.00 (RBSLink) or MISC. PROCESSING ERROR(STANDARD3)	Inquire your service provider.
DA09600	SYSTEM MALFUNCTION	Inquire your service provider. (OASIS system only)
DA09700	EXCEEDING STORE DAILY CREDIT LIMIT	Check the maximum credit limit per day.
DA09800	EXCEEDING STORE DAILY DEBIT LIMIT	Check the maximum debit limit per day.
DA09900	OTHER/UNKNOWN/UNABLE TO DETERMINE	Inquire your service provider. (OASIS system only)
DA0xxx0	Host Denial Error	Refer to E7. Description for error code organization
DA11100	Reversal Declined	Inquire your service provider.
DFFF100	REVERSAL TRIAL EXCEEDS MAXIMUM RETRY COUNT	Inquire your service provider.
DFFF101	REVERSAL TRIAL EXCEEDS MAXIMUM RETRY COUNT BEFORE CONFIGURATION.	Inquire your service provider.

Hyosung Master Error Code List

Error Code	Description	Solution
E??1000	Undefined Command	Check command message
E000100	RMS port failure / RMS response time-out / RMS modem failure / RMS no dial tone	1. Check RMS-related settings. 2. Check if the telephone line is connected and the status of the telephone line. 3. Check if the RMS host is alive. 4. Check the modem controller and logic.
E000200	RMS port failure / RMS response time-out / RMS modem failure / RMS no dial tone	1. Check RMS-related settings. 2. Check if the telephone line is connected and the status of the telephone line. 3. Check if the RMS host is alive. 4. Check the modem controller and logic.
E000300	RMS port failure / RMS response time-out / RMS modem failure / RMS no dial tone	1. Check RMS-related settings. 2. Check if the telephone line is connected and the status of the telephone line. 3. Check if the RMS host is alive. 4. Check the modem controller and logic.
E000400	RMS port failure / RMS response time-out / RMS modem failure / RMS no dial tone	1. Check RMS-related settings. 2. Check if the telephone line is connected and the status of the telephone line. 3. Check if the RMS host is alive. 4. Check the modem controller and logic.
E000500	RMS MODEM Disconnection time out	1. Check telephone line connection. 2. Check Modem.
E100000	RMS port failure. (modem failure)	1. Check phone line. 2. Check phone number for RMS. 3. Check modem.
E12A500	Invalid baudrate	Check if the baudrate is either 38400 or 115200
E131100	Invalid parameter length	Check if the parameter length is normal
E147600	Invalid the sum of function key value	Check if the sum of function key value is 0x4b
E147700	Invalid the function key value	Check if the function key value is between 0x0a and 0x0f
E15A400	Invalid time value	Check if the time value is ASC value
E211300	PIN or Key entry timeout	Retry PIN or Key entry from the beginning
E217400	It is not in the sensitive mode	Enter two sensitive passwords to be sensitive mode
E217800	PIN transaction exceeded 120 within one hour	Retry PIN transaction after one hour
E221300	Password entry timeout	Retry password entry from the beginning
E227000	Incorrect password	Enter correct passwords
E231300	PIN or Key entry timeout	Retry PIN or Key entry from the beginning
E247400	It is not in the sensitive mode	Enter two sensitive passwords to be sensitive mode
E312300	Key is not found	Check if the key is loaded
E322300	Key is not found	Check if the key is loaded
E331200	Invalid parameter	Check if the parameter is normal
E332300	Key is not found	Check if the key is loaded
E341200	Invalid parameter	Check if the parameter is normal
E342300	Key is not found	Check if the key is loaded
E352300	Key is not found	Check if the key is loaded
E362300	Key is not found	Check if the key is loaded
E372300	Key is not found	Check if the key is loaded
E382300	Key is not found	Check if the key is loaded
E392300	Key is not found	Check if the key is loaded
E3A2300	Key is not found	Check if the key is loaded
E3C2300	Key is not found	Check if the key is loaded
E412300	Key is not found	Check if the key is loaded
E412A00	Key usage mismatch	Check the key usage
E412C00	Failure of obtaining the key in the keytable	Check if the parent key is loaded status

Hyosung Master Error Code List

Error Code	Description	Solution
E41A200	Local PIN verification failure	Check the data for local PIN verification
E41A300	No PIN is entered	Try again after entering PIN
E611100	Invalid parameter length	Check if the parameter length is normal
E612A00	Key usage mismatch	Check the key usage
E615000	Undefined RSA Key Type	Check the firmware code
E615800	The keyname is same with existing symmetric keyname	Set the different keyname with existing symmetric keyname
E616300	Invalid RSA Key format	Check the RSA Key format
EA17400	It is not in the sensitive mode	Enter two sensitive passwords to be sensitive mode
EC11200	Invalid parameter	Check if the parameter is normal
EC12000	Key Table is FULL	Delete an existing key and try it again or set the existing keyname
EC12100	Key Table is FULL	Delete an existing key and try it again or set the existing keyname
EC12200	The key usage is not Key Encryption Key	Set the key which of usage is Key Encrytion Key
EC12300	Key is not found	Check if the key is loaded
EC12700	The key usage is null	Set the correct key usage
EC12800	The parent key is not loaded status	Check if the key is loaded status
EC12900	The parent key mismatch	Set the same parent key
EC12A00	Key usage mismatch	Check the key usage
EC12D00	The child key length error	The child key length should be equal or less than the parent key length
EC12E00	Single length key level error	Single length key level should be 2
EC12F00	The parent key usage is not Key Encryption Key	Set the parent key which of usage is Key Encrytion Key
EC13000	Double length key level error	Double length key level should be 2 or 3
EC13100	The key is not KEK for PIN Key	Set the key which of usage is KEK for PIN Key
EC13200	The key is not KEK for Data Key	Set the key which of usage is KEK for Data Key
EC13300	The key is not KEK for MAC Key	Set the key which of usage is KEK for MAC Key
EC13400	The key is not KEK for Unique PIN Key	Set the key which of usage is KEK for Unique PIN Key
EC13500	The key is not KEK for Local PIN Key	Set the key which of usage is KEK for Local PIN Key
EC13600	Transaction key usage is KEK	Set the transaction key which of usage is not KEK
EC13700	Transaction key is multiple usage	Set the transaction key which has single usage
EC13800	The left key is same with the right key	Set the different key value
EC13900	The left key is weak key	Set the left key which is not weak key
EC13A00	The right key is weak key	Set the right key which is not weak key
EC13D00	Failure of obtaining the parent key	Check if the parent key is loaded status
EC13E00	The child key counts exceed 5	Delete an existing key and try it again or set the existing child keyname
EC13F00	The key is not duplicated usage	The key cannot be overwritten because of no duplicate usage
EC14100	The same key value exists	Set the different key value with the existing key
EC14800	It is in the ANSI TR31 mode	ANSI TR31 Import Key Command should be used.
EC16200	The keyname is same with existing asymmetric keyname	Set the different keyname with existing asymmetric keyname
EC22000	Key Table is FULL	Delete an existing key and try it again or set the existing keyname
EC22300	Key is not found	Check if the key is loaded
EC22800	The parent key is not loaded status	Check if the key is loaded status
EC22B00	Invalid keyname	Check the keyname is normal string and less than 32 digits
EC22C00	Failure of obtaining the key in the keytable	Check if the parent key is loaded status
EC22D00	The child key length error	The child key length should be equal or less than the parent key length
EC22F00	The parent key usage is not Key Encryption Key	Set the parent key which of usage is Key Encrytion Key
EC23000	Double length key level error	Double length key level should be 2 or 3

Hyosung Master Error Code List

Error Code	Description	Solution
EC23100	The key is not KEK for PIN Key	Set the key which of usage is KEK for PIN Key
EC23200	The key is not KEK for Data Key	Set the key which of usage is KEK for Data Key
EC23300	The key is not KEK for MAC Key	Set the key which of usage is KEK for MAC Key
EC23400	The key is not KEK for Unique PIN Key	Set the key which of usage is KEK for Unique PIN Key
EC23500	The key is not KEK for Local PIN Key	Set the key which of usage is KEK for Local PIN Key
EC23600	Transaction key usage is KEK	Set the transaction key which of usage is not KEK
EC23700	Transaction key is multiple usage	Set the transaction key which has single usage
EC23800	The left key is same with the right key	Set the different key value
EC23900	The left key is weak key	Set the left key which is not weak key
EC23A00	The right key is weak key	Set the right key which is not weak key
EC23D00	Failure of obtaining the parent key	Check if the parent key is loaded status
EC23E00	The child key counts exceed 5	Delete an existing key and try it again or set the existing child keyname
EC24100	The same key value exists	Set the different key value with the existing key
EC24200	Key Block length error	Check Key Block length
EC24300	Key Block Header error	Check Key Block Header
EC24400	The parent key is not TR31 Master Key	Set the parent key which of usage is TR31 Master Key
EC24500	Failure of decrypting Key Block	Check if the Key Block is correct
EC24700	Key Block verification failure	Check MAC for Key Block
EC26200	The keyname is same with existing asymmetric keyname	Set the different keyname with existing asymmetric keyname
ED11100	Invalid parameter length	Check if the parameter length is normal
ED11200	Invalid parameter	Check if the parameter is normal
ED12300	Key is not found	Check if the key is loaded
ED12A00	Key usage mismatch	Check the key usage
ED12C00	Failure of obtaining the key in the keytable	Check if the parent key is loaded status
ED1A000	Undefined AES length	Set AES length 16, 24 or 32
ED21100	Invalid parameter length	Check if the parameter length is normal
ED21200	Invalid parameter	Check if the parameter is normal
ED22300	Key is not found	Check if the key is loaded
ED22A00	Key usage mismatch	Check the key usage
ED22C00	Failure of obtaining the key in the keytable	Check if the parent key is loaded status
ED2A000	Undefined AES length	Set AES length 16, 24 or 32
EF11100	Invalid parameter length	Check if the parameter length is normal
EF12A00	Key usage mismatch	Check the key usage
EF15000	Undefined RSA Key Type	Check the firmware code
EF15800	The keyname is same with existing symmetric keyname	Set the different keyname with existing symmetric keyname
EF16300	Invalid RSA Key format	Check the RSA Key format
EF21100	Invalid parameter length	Check if the parameter length is normal
EF22A00	Key usage mismatch	Check the key usage
EF25000	Undefined RSA Key Type	Check the firmware code
EF25800	The keyname is same with existing symmetric keyname	Set the different keyname with existing symmetric keyname
EF26300	Invalid RSA Key format	Check the RSA Key format
EF31100	Invalid parameter length	Check if the parameter length is normal
EF32A00	Key usage mismatch	Check the key usage
EF35000	Undefined RSA Key Type	Check the firmware code
EF35800	The keyname is same with existing symmetric keyname	Set the different keyname with existing symmetric keyname
EF36300	Invalid RSA Key format	Check the RSA Key format
EF41100	Invalid parameter length	Check if the parameter length is normal
EF45100	Undefined Sign and SN Type	Check the firmware code
EF51100	Invalid parameter length	Check if the parameter length is normal
EF55100	Undefined Sign and SN Type	Check the firmware code

Hyosung Master Error Code List

Error Code	Description	Solution
EF61100	Invalid parameter length	Check if the parameter length is normal
EF65100	Undefined Sign and SN Type	Check the firmware code
EG12300	Key is not found	Check if the key is loaded
EG12B00	Invalid keyname	Check the keyname is normal string and less than 32 digits
EG19000	RSA encryption failure	Check RSA Key format
EG22300	Key is not found	Check if the key is loaded
EG29100	RSA decryption failure	Check RSA Key format
EG29400	Invalid RSA Key length	RSA Key length should be 2048 bits
EG32300	Key is not found	Check if the key is loaded
EG32B00	Invalid keyname	Check the keyname is normal string and less than 32 digits
EG39200	Signature generation failure	Check RSA Key format
EG42300	Key is not found	Check if the key is loaded
EG42B00	Invalid keyname	Check the keyname is normal string and less than 32 digits
EG49300	Signature verification failure	Check RSA Key format and signature value
EH11100	Invalid parameter length	Check if the parameter length is normal
EJ11300	Password entry timeout	Retry password entry from the beginning
EJ17100	Incorrect password	Enter correct passwords
EJ17400	It is not in the sensitive mode	Enter two sensitive passwords to be sensitive mode
EJ21300	Password entry timeout	Retry password entry
EJ27100	Incorrect password	Enter correct passwords
EJ27400	It is not in the sensitive mode	Enter two sensitive passwords to be sensitive mode
EL1FC00	Log is not found	Set installation state
EL1FD11	Log search failure	Check the firmware code
EM11100	Invalid parameter length	Check if the parameter length is normal
EM11200	Invalid parameter	Check if the parameter is normal
EM12300	Key is not found	Check if the key is loaded
EM12A00	Key usage mismatch	Check the key usage
EM12C00	Failure of obtaining the key in the keytable	Check if the parent key is loaded status
EM21100	Invalid parameter length	Check if the parameter length is normal
EM21200	Invalid parameter	Check if the parameter is normal
EM22300	Key is not found	Check if the key is loaded
EM22A00	Key usage mismatch	Check the key usage
EM22C00	Failure of obtaining the key in the keytable	Check if the parent key is loaded status
EM24900	MAC verification failure	Check the MAC value
EP12300	Key is not found	Check if the key is loaded
EP12A00	Key usage mismatch	Check the key usage
EP12C00	Failure of obtaining the key in the keytable	Check if the parent key is loaded status
EP1A300	There is no entered PIN	Enter PIN and try it again
EP2A100	Failure of DUKPT PIN block encryption	Check DUKPT PIN encryption count
EP2A300	There is no entered PIN	Enter PIN and try it again
ER25200	There is no serial number	Inject serial number
ER25300	There is no serial number signature	Inject serial number signature
ER35400	There is no EPP public key	Inject EPP public key
ER35500	There is no EPP public key signature	Inject EPP public key signature
ER41100	Invalid parameter length	Check if the parameter length is normal
ER42A00	Key usage mismatch	Check the key usage
ER45000	Undefined RSA Key Type	Check the firmware code
ER45600	There is no CA public key	Inject CA public key
ER45700	Failure of signature verification	Check RSA Key format and signature value
ER45800	The keyname is same with existing symmetric keyname	Set the different keyname with existing symmetric keyname
ER46300	Invalid RSA Key format	Check the RSA Key format

Hyosung Master Error Code List

Error Code	Description	Solution
ER55900	Mutual authentication is not verified	Try to load Host public key command
ER55A00	RKT 15 minutes timeout	Execute RKT process from the beginning
ER55B00	Random number size exceeds 256	Set the random number size less than 256
ER65900	Mutual authentication is not verified	Try to load Host public key command and start key exchange command
ER65A00	RKT 15 minutes timeout	Execute RKT process from the beginning
ER65B00	Random number size exceeds 256	Set the random number size 16
ER65C00	There is no Host public key	Try to load Host public key command
ER65D00	RSA encryption failure	Check RSA Key format
ER75900	Mutual authentication is not verified	Try to load Host public key command and start key exchange command
ER75A00	RKT 15 minutes timeout	Execute RKT process from the beginning
ER75B00	Random number size exceeds 256	Set the random number size less than 256
ER75E00	There is no EPP private key	Inject EPP private key
ER75F00	RSA decryption failure	Check RSA Key format
ER76000	Invalid Encoded Message format	Check the encrypted message
ER76100	Failure of random number comparison	Check the random number
ER81200	Invalid parameter	Check if the parameter is normal
ER82000	Key Table is FULL	Delete an existing key and try it again or set the existing keyname
ER82100	Key Table is FULL	Delete an existing key and try it again or set the existing keyname
ER82700	The key usage is null	Set the correct key usage
ER82A00	Key usage mismatch	Check the key usage
ER83800	The left key is same with the right key	Set the different key value
ER83900	The left key is weak key	Set the left key which is not weak key
ER83A00	The right key is weak key	Set the right key which is not weak key
ER84400	The parent key is not TR31 Master Key	Set the parent key which of usage is TR31 Master Key
ER85700	Failure of signature verification	Check RSA Key format and signature value
ER85900	Mutual authentication is not verified	Try to load Host public key command and start key exchange command
ER85A00	RKT 15 minutes timeout	Execute RKT process from the beginning
ER85F00	RSA decryption failure	Check RSA Key format
ER86000	Invalid Encoded Message format	Check the encrypted message
ER86100	Failure of random number comparison	Check the random number
ER86200	The keyname is same with existing asymmetric keyname	Set the different keyname with existing asymmetric keyname
ET11100	Invalid parameter length	Check if the parameter length is normal
ET11200	Invalid parameter	Check if the parameter is normal
ET12000	Key Table is FULL	Delete an existing key and try it again or set the existing keyname
ET12100	Key Table is FULL	Delete an existing key and try it again or set the existing keyname
ET12200	The key usage is not Key Encryption Key	Set the key which of usage is Key Encryption Key
ET12400	WFS_PIN_USECONSTRUCT key usage cannot be used as TMK	Remove WFS_PIN_USECONSTRUCT key usage
ET12500	There is no entered component key	Enter component key and try it again
ET12600	Component key entry is not complete	Enter component key all
ET12700	The key usage is null	Set the correct key usage
ET13800	The left key is same with the right key	Set the different key value
ET13900	The left key is weak key	Set the left key which is not weak key
ET13A00	The right key is weak key	Set the right key which is not weak key
ET13B00	Component key counts are less than 2	Enter more than two component keys
ET13C00	key is imported without the component key entry	Enter more than two component keys

Hyosung Master Error Code List

Error Code	Description	Solution
ET14000	The key is not top level	Set the top level key
ET14400	The parent key is not TR31 Master Key	Set the parent key which of usage is TR31 Master Key
ET16200	The keyname is same with existing asymmetric keyname	Set the different keyname with existing asymmetric keyname
ET17400	It is not in the sensitive mode	Enter two sensitive passwords to be sensitive mode
EU18200	Firmware update public key does not exist	Inject firmware update public key
EU21100	Invalid parameter length	Check if the parameter length is normal
EU21200	Invalid parameter	Check if the parameter is normal
EU28000	Firmware update start command does not executed	Execute firmware update start commnad
EU28300	Received firmware file does not have version info	Check firmware file
EU31200	Invalid parameter	Check if the parameter is normal
EU35700	Failure of signature verification	Check RSA Key format and signature value
EU38000	Firmware update start command does not executed	Execute firmware update start commnad
EU38100	Check sum failure	Check firmware file
EV2FB00	Undefined State	Check firmware source code
EW11300	ID and password entry timeout	Retry ID and password entry from the beginning
EW1FD02	Incorrect IDs or passwords	Enter correct IDs and passwords
EW1FD03	Incorrect default IDs or passwords	Enter correct default IDs and passwords
EW1FD04	The two IDs are same	Set the different two IDs
EW1FD05	1ST ID is not verified	Verify 1ST ID first
EW21200	Invalid parameter	Check if the parameter is normal
EW21300	ID and password entry timeout	Retry ID and password entry from the beginning
EW2FD06	Failure of entered password verification	Enter correct password
EW2FD07	Failure of entered ID verification	Enter correct ID
EW2FD08	ID is null	Enter a ID that is not null
EW2FD09	Password is null	Enter a password that is not null
EW2FD0A	Same ID exists	Enter a different ID with existing ID
EW2FD0C	Incorrect ID	Enter correct ID
EW2FD0D	Full ID counts (20)	Delete an existing ID and try it again
EW2FD0E	Entered ID is null	Enter ID that is not null
EW2FD10	It is not sensive mode for removal detection	Enter two IDs and passwords to be sensitive mode for removal detection
EW2FF0F	ID is not found	Set existing ID
EW3FA00	Undefined action	Check firmware source code
EW3FD01	The count of ID/password that are not default is less than two	Enter more than two IDs and passwords that are not default
EW3FD0E	Entered ID is null	Enter ID that is not null
EW3FD10	It is not sensive mode for removal detection	Enter two IDs and passwords to be sensitive mode for removal detection
EW3FD12	I2C write fails	Check EPP hardware
EW4FA00	Undefined action	Check firmware source code
EW4FD01	The count of ID/password that are not default is less than two	Enter more than two IDs and passwords that are not default
EW4FD0E	Entered ID is null	Enter ID that is not null
EW4FD10	It is not sensive mode for removal detection	Enter two IDs and passwords to be sensitive mode for removal detection
EW5FD0F	Search ID count error	Check firmware source code
EW5FD10	It is not sensive mode for removal detection	Enter two IDs and passwords to be sensitive mode for removal detection
EW5FF0F	ID is not found	Set existing ID
EX1FF01	Self Test Fail	Exchange EPP
EX1FF02	Initial State	Set Initialization State and Set installation state

Hyosung Master Error Code List

Error Code	Description	Solution
EX1FF03	Initialization State	Set installation state
EX1FF04	Authorized Removal State	Set installation state
EX1FF05	Unauthorized Removal State	Set Initial State, Set Initialization State and Set installation state
F000100	Number of Bill is not inputted	Enter number of bill. (required)
F000200	Surcharge Owner is not set	1. Check surcharge owner. 2. Set surcharge owner.
F000300	Surcharge amount is invalid	Contact to technician support team
F000400	Parameter is not properly set (Adver. Text refreshing timer)	Enter Ad text refresh timer.
F000500	Parameter is not properly set (Advertisement text)	Enter Ad text.
F000600	Dispense limite setting error Ex) Dispense Limit > Face value of the note type x 25	Check the dispense limit, and set the limit again.
F000700	Note type setting error Ex) For MB-2000, only 10\$, 20\$, 50\$, and 100\$ notes are valid.	Check the note type, and set it again.
F000800	Fast cash setting error Ex) Fast cash value > Dispense limit	Check the fast cash value, and set it again.
F000900	Master key index invalid 0 <= MKEY Index <= 15	Check the master key, and set it again.
F000A00	Master Key empty	Enter Master key. (required)
F000B00	Host phone number is not set	1. Check host phone number. 2. Set host phone number.
F000C00	Error Retry Timer is not inputted	Enter Retry timer.
F000D00	RMS password is not set	1. Check RMS password. 2. Set RMS password.
F000E00	RMS phone number is not set	1. Check RMS phone number. 2. Set RMS phone number.
F000F00	Terminal ID is not set	1. Check terminal ID. 2. Set terminal ID.
F001000	Routing ID is not set	1. Check routing ID. 2. Set routing ID.
F001100	The master key serial number is not set.	Master key Serial Number set
F001200	Non-cash type text is not set. (MB-2100/2200 only)	Non-Cash Type set
F001300	Parameter is not properly set	Check proper parameters in setting.
F001400	NVRAM failure	1. Check the battery and the battery plug. 2. Replace the main board.
F001500	Unique Key Serial No. Empty	1. Call your attendant
F001600	Default master password was not changed	
F001F00	Machine serial number is not set	
F002F00	Host type is not set	
F003F00	Communication ID invalid (only triton)	
F004F00	EPP(Pinpad) key mode is invalid	1. Check modem cable 2. Contact to technical support team
F005F00	Denomination is invalid	1. Check modem cable 2. Contact to technical support team
F006F00	Failed Host Connection!	
F00B000	ATM network of host address set is abnormal !	Call your attendant.
FD00001	GIFT CARD DISPENSE FAIL	Check the card dispenser
FFFFFFF	NVRAM is broken.	1. Reset Master Password. 2. Clear NVRAM.
IDN0X00	DIP MCR connection failure	1. Power Off/On 2. Check DIP MCR 3. Check cable connection

Hyosung Master Error Code List

Error Code	Description	Solution
M010000	Money Order Printer, Carriage is unable to find home	
M010100	Money Order Printer, Burster wheel could not find home during initialization	
M010200	Money Order Printer, Paper out	
M010300	Money Order Printer, Paper could not be loaded	
M010400	Money Order Printer, The top of form mark can be found	
M010500	Money Order Printer, The burster failed or if the paper advanced too far without burst	
M010600	Money Order Printer, The non-boot sectors either have an incorrect checksum or are unexpectedly empty	
M010700	Money Order Printer, Feeder is not present	
M011500	Money Order Printer, Form burst failure	
M011700	Money Order Printer, Edge of paper not found	
M011F00	Money Order Printer, Under bar not found	
M012A00	Money Order Printer, Bar code scan fail	
M01D000	Money Order Printer, Paper present detects failure	
M01D100	Money Order Printer, Download firmware failure : Starting address error	
M01D200	Money Order Printer, Download firmware failure : Ending address less than starting address	
M01D300	Money Order Printer, Download firmware failure : Invalid ending address	
M01D400	Money Order Printer, Download firmware failure : Invalid length of data	
M01D500	Money Order Printer, Download firmware failure : After receiving downloaded data	
M100000	CHK Initialization Failed.	Please Check the CHK Device Cable and Reset CHK Device.
M200000	CHK Process Error.	Please Erase any Check Media and Reset CHK Device or Check the Insertion Slot of CHK Device.
M210000	CHK Process Error related to M1 Motor.	Please Erase any Check Media and Reset CHK Device.
M210100	[CHK INSERTION] Auto Alignment motor Hiding Failed.	Please Erase any Check Media and Reset CHK Device.
M210200	[CHK EJECTION] Auto Alignment motor Hiding Failed.	Please Erase any Check Media and Reset CHK Device.
M220000	CHK Process Error related to M1 Motor.	Please Erase any Check Media and Reset CHK Device.
M220100	[CHK INSERTION] S9 Sensor On Detection Failed, the Media setting Error at Scanning Start.	Please Erase any Check Media and Reset CHK Device.
M220200	[CHK INSERTION] S9 Sensor Off Detection Failed, the Media Jammed at Scanning Start.	Please Erase any Check Media and Reset CHK Device.
M220600	[CHK INSERTION] S10 Sensor Off Detection Failed, Jam at Scanning.	Please Erase any Check Media and Reset CHK Device.
M220700	[CHK INSERTION] S13 Sensor On Detection Failed, Moving of Start point for Printing Failed.	Please Erase any Check Media and Reset CHK Device.
M220800	[CHK INSERTION] S13 Sensor Off Detection Failed, the Media Jammed after Printing process.	Please Erase any Check Media and Reset CHK Device.
M220900	[CHK INSERTION] S11 Sensor On Detection Failed, Moving of end point for Scanning Failed.	Please Check the Ink Motor.

Hyosung Master Error Code List

Error Code	Description	Solution
M221000	[CHK INSERTION] S12 Sensor Off Detection Failed, Moving of the Media Failed before Printing process.	Please Check the BOX Motor.
M221100	[CHK INSERTION] S3 Sensor on Detection Failed, Media Jammed at CheckStart process.	Please Check the Insertion Slot of CHK Device.
M221200	[CHK INSERTION] S3 Sensor On Detection Failed, Moving of the Media Failed at Check Start Process.	Please Erase any Check Media and Reset CHK Device.
M221300	[CHK INSERTION] S6 Sensor On Detection Failed, Moving of the Media Error occurred while performing Basic Auto Alignment	Please Erase any Check Media and Reset CHK Device.
M221500	[CHK INSERTION] S8 Sensor On Detection Failed, Moving of the Media Error occurred while performing Auto Alignment.	Please Check the Rejection part.
M221600	[CHK INSERTION] S8 Sensor off Detection Failed, Media Jammed at CheckStart process.	Please Check the Escrow part.
M221700	[CHK INSERTION] Detected Error occurred in Sending-Back line before ScanStart process.(S10, S11, S12, S13)	Please Check the Escrow part.
M221800	Reserved for CHK Error.	
M221900	[CHK EJECTION] S8 Off Detection Failed. Ejecting the Media having UnderSize Failed or Jammed while Rejecting.	Please Check the Rejection part.
M222000	[CHK EJECTION] S9 Sensor On Detection Failed, Media Jammed while Rejecting process.	Please Check the Escrow part.
M222100	[CHK EJECTION] S9 Sensor Off Detection Failed, Media Jammed in ALU part while Rejecting process.	Please Check the Rejection part.
M222200	[CHK EJECTION] S13 Sensor On Detection Failed, Media Jammed while Rejecting process.	Please Check the Ink Motor.
M222300	[CHK EJECTION] S13 Sensor Off Detection Failed, Media Jammed while Rejecting process.	Please Check the Ink Motor.
M222400	[CHK EJECTION] S11 Sensor On Detection Failed, Media Jammed while Rejecting process.	Please Erase any Check Media and Reset CHK Device.
M222500	[CHK EJECTION] S1 Sensor Off Detection Failed, Media Jammed while Rejecting process.	Please Erase any Check Media and Reset CHK Device.
M222600	[CHK EJECTION] S3 Sensor On Detection Failed, ALU part Jammed while Rejecting process.	Please Erase any Check Media and Reset CHK Device.
M222700	[CHK EJECTION] S3 Sensor Off Detection Failed, Insertion Slot Jammed while Rejecting process.	Please Erase any Check Media and Reset CHK Device.
M222800	[CHK EJECTION] S1 Sensor On Detection Failed while Rejecting process.	Please Erase any Check Media and Reset CHK Device.
M222900	[CHK EJECTION] S1 Sensor Off Detection Failed while Rejecting process.	Please Erase any Check Media and Reset CHK Device.
M223000	CHK Document Reject fail	Please Erase any Check Media and Reset CHK Device.
M223100	CHK Auto Alignment Failed after Retrying the job.	Please Erase any Check Media and Reset CHK Device.
M223200	CHK S6 Sensor On Detection Failed while Retaining process.	
M223300	CHK S9 Sensor On Detection Failed while Retaining process.	
M223400	CHK S12 Sensor On Detection Failed while Retaining process.	

Hyosung Master Error Code List

Error Code	Description	Solution
M223500	CHK S12 Sensor Off Detection Failed while Retaining process.	
M230000	CHK Process Error related to M3 Motor(Printer part).	Please Erase any Check Media and Reset CHK Device.
M230100	[BEFORE PRINTING] CHK Positioning the print Head at Home Failed.	Please Erase any Check Media and Reset CHK Device.
M230200	[AFTER PRINTING] CHK Positioning the print Head at Home Failed	Please Erase any Check Media and Reset CHK Device.
M290000	CHK Process Error related to Solenoid.	Please Erase any Check Media and Reset CHK Device.
M291000	CHK Process Error related to Solenoid 1.	Please Erase any Check Media and Reset CHK Device.
M291100	CHK Solenoid 1 Pulling Failed.	Please Erase any Check Media and Reset CHK Device.
M291200	CHK Solenoid 1 Releasing Failed.	Please Erase any Check Media and Reset CHK Device.
M292000	CHK Solenoid 2 Error.	Please Erase any Check Media and Reset CHK Device.
M292100	CHK Solenoid 2 Pulling Failed.	Please Reset CHK Device.
M292200	CHK Process Error related to Solenoid 2.	Please Reset CHK Device.
M300000	CHK Normal Positioning Failed.	Please Reset CHK Device.
M310100	CHK BOX is Abnormal Position.	Please Reset CHK Device.
M400000	CHK Process Error.	Please Reset CHK Device.
M410100	CHK Process Error. Document not inserted.	Please Reset CHK Device.
M410200	CHK Box Full was Detected.	Please Reset CHK Device.
M410300	3 pieces of Checks were detected when a Check was inserted at CheckStart.	Please Reset CHK Device.
M410400	A Check Insertion was interrupted by a user at CheckStart.	Please Reset CHK Device.
M410500	CHK Process Error when a Check is inserted and removed at CheckStart.	Please Erase any Check Media and Reset CHK Device.
M420100	CHK Process Error. Auto Alignment Failed while Shading.	Please Reset CHK Device.
M420200	CHK Process Error. S10 On Detection Failed while Shading.	Please Reset CHK Device.
M420300	CHK Process Error. S9, S10 On Detection Failed while Shading.	Please Reset CHK Device.
M430100	CHK Carriage path 1 Guide opened while Initializing.	Please Close Carriage Guide and Reset All Devices.
M430200	CHK Carriage path 2 Guide opened while Initializing.	Please Close Carriage Guide and Reset All Devices.
M500000	Abnormal Check was inserted.	Please Erase any Check Media and Reset CHK Device.
M510100	A half-width Check was inserted.	Please Erase any Check Media and Reset CHK Device.
M510200	An Abnormal Check having long length was inserted.	Please Erase any Check Media and Reset CHK Device.
M510300	An Abnormal Check having short length was inserted.	Please Erase any Check Media and Reset CHK Device.
M510400	An Abnormal Check having short width was inserted.	Please Erase any Check Media and Reset CHK Device.
M510500	A half-width Check was inserted(After Check Insertion, Alignment was performed but the check was carried to Sending-Back line without Alignment.	Please Erase any Check Media and Reset CHK Device.
MDN0000	Money Order Printer, Line down	
POWERAB	UPS ABNORMAL	Check UPS
POWERAC	POWER OUT OR AC OFF	1. Check AC power status and environment 2. Check UPS
POWERBA	BATTERY LOW	1. Check AC power status and environment 2. Check UPS
POWERCL	Clerk power off!!!	

Hyosung Master Error Code List

Error Code	Description	Solution
SDN0100	Service Panel (SPL) communication error	Check the cables and connections.
T100100	Database Access Error	Try to download journal and may need to reformat the drive.
t500007	Container box is full logically.(Stack count is over 60)	Empty the container box and reset count of stack number in operator mode.
t500010	Error of Half Test() (= > Sensors have some problem(e.g. Dust)) (Envelope Depository)	Clean sensors with clothes.
t500020	Ink-jet toner low (Envelop Depository)	Replace with new Ink-jet printer
t500040	Shutter is open after transaction is over.	If there is a envelope in shutter, remove it.
t500050	Jam of shutter is doubtful.	Check if the envelope is jammed in shutter.
T500110	Error of Stacking (Timeout between S3 and S4)	Remove the envelope in the depository device.
T500120	Error of Stacking (Timeout between S2 and S3)	Remove the envelope in the depository device.
t500130	Error of Stacking (Timeout between S3 and S4)	Remove the envelope in the EDU
t500140	Error of Stacking (it can't be stacked into container box) => Container Full	1.Empty the container box 2.Remove the envelope in the EDU
t5001X0	Time out between S1 and S2 (jam or long envelop)	Clear jam.
T500200	Error of Inserting (No envelope after executing insert)	Restart the transaction.
T500210	Error of Inserting (It occurs during a media jam or when the envelope size is too long.)	Remove the Envelope from the transport(maybe in shutter)
T500220	Error in entry (The envelope size is too short.)	Remove the Envelope from the transport (maybe in shutter)
T500230	Shutter open error(Jam or mecha error)	1. Remove the envelope 2. If 1. was not a problem, reboot ATM.
T500240	There is envelope in transport	Remove the envelope
T500250	The location of the container box is not correct	Check the location of the container box
T500260	The deposit container is full	1. Remove the deposit container from the depository device. 2. Remove envelopes in the depository device.
T500270	Printer header close error when it sends 'D' command.	1. Remove the envelope 2. If 1. was not a problem , Reboot ATM
T500280	Printer header position error when it sends 'D' command.	Check the device
T500290	Box shutter open error	Check the box shutter
T5002A0	Draw the envelope after envelope deposit	Restart transaction or normal deposit transaction
t5002B0	Error of Inserting (Firmware Version: supported above the V00.00.15) (Envelope Depository)	Remove the Envelope from the transport(maybe in shutter)
T500310	Error of Rejecting (Shutter is closed after calling reject)	Remove the envelope
t500320	Error of Rejecting (There is an envelope in transport but it can't be rejected) (Envelope Depository)	Remove the envelope.
T500330	Error of Rejecting (Jam)	Remove the envelope.
T500410	Error of Closing shutter (Jam or mecha error)	1. Remove the envelope 2. If 1. was not a problem, reboot ATM
t500500	Error Shutter open(When Idle) (Envelope Depository)	
T500510	Error of opening shutter (Jam or mecha error)	1. Remove the envelope 2. If 1. was not a problem, reboot ATM
T500600	Check sum error (Envelope Depository)	
T500610	Unknown device (not supported flash memory)	Check the device
T500620	Erase error	Check the device

Hyosung Master Error Code List

Error Code	Description	Solution
T500630	Data size is smaller than flash memory sector size	Check EP bin file size
t500640	Program Error(fail to write Flash memory) ? Download	Try download again. Check EP. Check Memory device type.
T500700	Print data error(char > 90)	Check the print data size
T500710	Print error (Jam)	Remove the envelope
T500720	Error of print position (between S2 and S3)	1. Remove the envelope 2. Check the mecha
T500730	Error of the print header close	Check mecha
t500800	Header is opened	Initialize after checking paper jam
T500810	Error of the OpenHeader (mecha error)	Check mecha
T500820	Error of OpenHeadering (between S3 and S4)	Remove the envelope
t5008X0	Open Printer head	Check printer head. Check envelope. Clear jam.
T500910	Error of the OpenHeader (mecha error)	Check mecha (device)
T500920	Error of OpenHeader (between S3 and S4)	1. Remove the envelope 2. If 1. was not a problem, Reboot ATM
t5009X0	Close Printer head	Check printer head. Check envelope. Clear jam.
T501000	Error of printer header close when it sends 'F' command.	1. Remove the envelope 2. If 1. was not a problem , Reboot ATM
T501010	Error of printer header pre fire position when it sends 'F' command	Check the device
T501100	Error of Shutter open	1. Check shutter device 2. If 1. was not a problem, reboot ATM
T501110	Error of Shutter close	1. Check shutter device 2. If 1. was not a problem, reboot ATM
T501120	Error of printer header open	1. Check printer header device 2. If 1. was not a problem, reboot ATM
T501130	There are envelope in transport	1. Remove the envelope 2. If 1. was not a problem, reboot ATM.
T501140	Error of printer header close	1. Check printer header device 2. If 1. was not a problem, reboot ATM
T501150	There is no container	Check the container device
T501160	Solenoid error	1. Check the solenoid 2. Replace the solenoid
T501170	Error of print header position	1. Check the print header position 2. If 1. was not a problem, reboot ATM.
T501180	Error of box shutter open	Check the box shutter
t501200	Detecting the envelope in transport path between S3 and S4 sensor (Envelope Depository)	
t501210	Error of pre-fire in printer head in initializing (Envelope Depository)	
t501220	Printer head open error at EDU when 0x11 command, combined open command, is performed.	
t501230	Shutter open error at EDU when 0x11 command, combined open command, is performed.	
t501300	Envelope is not found on S1 of EDU for 5 seconds when 0x12 command, combined entry command, is performed.	
t501310	Too long envelope or envelope jammed when 0x12 command, combined entry command, is performed.	

Hyosung Master Error Code List

Error Code	Description	Solution
t501320	Too short envelope when 0x12 command, combined entry command, is performed.	
t501330	Shutter is closed at EDU when 0x12 command, combined entry command, is performed.	
t501340	Envelope is found on the path of EDU when 0x12 command, combined entry command, is performed.	
t501350	Cassette is not located properly at EDU when 0x12 command, combined entry command, is performed.	
t501360	EDU cassette full error when 0x12 command, combined entry command, is performed.	
t501370	EDU printer head open error when 0x12 command, combined entry command, is performed.	
t501380	Shutter close error at EDU when 0x12 command, combined entry command, is performed.	
t501390	Printer head is not located properly at EDU when 0x12 command, combined entry command, is performed.	
t5013a0	EDU cassette shutter open error when 0x12 command, combined entry command, is performed.	
t501400	Command error at EDU when 0x15 command, combined print command, is performed. Character length equals 90 characters or more.	
t501410	Too long envelope or envelope jammed when 0x15 command, combined print command, is performed at EDU.	
t501420	Sensor error at EDU when 0x15 command, combined print command, is performed. Envelope should be detect on S3 and S4, but not on S1.	
t501430	Cassette is not located properly at EDU when 0x15 command, combined print command, is performed.	
t501450	Envelope or something is detected between S3 and S4 when 0x15 command, combined print command, is performed. Envelope jammed or too long envelope.	
t501460	Envelope is detected on the path of EDU after solenoid works when 0x15 command, combined print command, is performed.	
t501480	Printer head close error at EDU when 0x15 command, combined print command, is performed.	
t501510	Printer head close error at EDU when 0x13 command, combined open cancel command, is performed.	
t501530	EDU shutter close error when 0x13 command, combined open cancel command, is performed.	
t501630	Envelope jammed on the path of EDU when 0x14 command, combined entry cancel command, is performed.	